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FEDERAL FUNDS FOR RESEARCH AND DEVELOPMENT

DETAILED HISTORICAL TABLES:

FISCAL YEARS 1970 - 1982

Division of Science Resources Studies
National Science Foundation
Washington, D.C. 20550
(202) 634-4638

Prepared by
Moshman Associates, Inc.
6400 Goldsboro Road
Bethesda, Maryland 20817

FEDERAL FUNDS

FOR

RESEARCH AND DEVELOPMENT

DETAILED HISTORICAL TABLES:

FISCAL YEARS 1970 - 1982

NOTE: The 1982 budget data contained in these tables were submitted by the agencies prior to the September 1981 budget amendments.

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TECHNICAL NOTES:

1. Data shown for fiscal years 1981 and 1982 are based on the President's budget, as revised in March 1981, and are estimated.

2. Data shown reflect all corrections for earlier years received from the participating departments and agencies as of October 1981. Note, however, that corrections have not been made to the geographic distribution data except in a few cases; discrepancies between the geographic distributions and the other distributions will thus be shown for certain agencies.

3. Definitions, discussions of data limitations, and comparison with other reports can be found in the series of annual reports and detailed statistical tables published by NSF under the title "Federal Funds for Research and Development."

4. From time to time names of agencies change, and when this occurs, the new name is substituted and is the only one appearing in the annual series of tables. In historical tables, former names are shown for agencies but not for agency subdivisions.

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	15,734,391	15,970,733	16,727,079	17,488,803	18,297,104	19,550,839	21,020,862	23,379,120
DEPARTMENT OF AGRICULTURE, TOTAL	298,577	318,891	357,859	357,068	381,452	425,641	468,843	537,766
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30,495
ECONOMIC RESEARCH SERVICE	15,788	14,802	16,833	15,154	18,140	22,240	23,564	N/A
FARMER COOPERATIVE SERVICE	879	937	1,088	1,141	1,218	1,240	1,354	N/A
STATISTICAL REPORTING SERVICE	704	682	721	717	599	1,237	1,992	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	45,845	50,209	56,546	58,286	65,617	72,486	90,277	92,533
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	414,738
AGRICULTURAL RESEARCH	172,586	182,772	208,717	199,349	210,547	232,781	247,441	294,580
COOPERATIVE RESEARCH	62,469	69,102	73,657	82,147	85,162	95,579	104,196	120,158
TECHNICAL INFORMATION SYSTEMS	306	387	297	274	169	76	19	-
DEPARTMENT OF COMMERCE, TOTAL	127,945	122,875	168,209	186,193	188,202	224,592	233,316	238,188
BUREAU OF THE CENSUS	3,038	4,177	3,843	1,035	988	975	2,494	2,535
ECONOMIC DEVELOPMENT ADMINISTRATION	10,379	5,008	5,446	5,132	5,436	15,030	13,571	20,000
MARITIME ADMINISTRATION	6,913	9,237	11,399	22,463	25,861	27,869	24,398	18,800
MINORITY BUSINESS DEVELOPMENT AGENCY	3,687	-	-	1,448	1,459	1,816	3,161	1,586
NATIONAL BUREAU OF STANDARDS	31,257	33,450	34,747	36,846	42,464	47,165	49,107	53,128
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	2,400	4,611	6,576
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	72,287	68,445	109,667	114,420	109,488	127,689	134,457	132,609
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,500
OFFICE OF TELECOMMUNICATIONS	-	1,981	2,550	3,487	2,031	1,148	1,147	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE	384	577	557	609	475	500	370	454
UNITED STATES TRAVEL SERVICE	-	-	-	753	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	7,587,924	7,705,984	8,297,162	8,597,649	8,979,742	9,363,517	9,445,510	10,307,977

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE ARMY	1,771,647	1,670,589	1,889,811	2,042,439	2,308,602	2,083,044	1,969,575	2,195,044
MILITARY FUNCTIONS	1,762,099	1,661,191	1,880,008	2,030,623	2,297,402	2,070,224	1,941,212	2,171,189
MILITARY CONSTRUCTION	15,922	27,022	23,521	35,194	21,072	21,711	12,700	13,200
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	80,700	65,276	77,757	83,335	86,606	84,107	86,900	88,800
RDT&E APPROPRIATION	1,665,477	1,568,893	1,778,730	1,912,094	2,189,724	1,964,406	1,841,612	2,069,189
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	9,548	9,398	9,803	11,816	11,200	12,820	28,363	23,855
DEPARTMENT OF THE NAVY	2,172,383	2,477,856	2,501,480	2,498,936	2,715,822	3,126,263	3,320,098	3,582,569
MILITARY CONSTRUCTION	14,160	8,330	6,373	7,547	6,538	13,765	19,300	18,500
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	73,360	63,960	67,585	86,000	84,200	90,300	81,100	80,700
RDT&E APPROPRIATION	2,084,248	2,404,606	2,426,633	2,404,199	2,623,433	3,020,979	3,214,937	3,480,513
SPECIAL FOREIGN CURRENCY PROGRAM	615	860	889	1,190	1,651	1,219	4,761	2,856
DEPARTMENT OF THE AIR FORCE	3,150,053	3,025,587	3,426,186	3,588,512	3,442,302	3,567,555	3,625,220	3,902,173
MILITARY CONSTRUCTION	10,377	15,127	14,958	16,018	17,593	15,085	42,100	40,000
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	202,477	201,022	208,157	210,607	216,393	241,547	245,100	243,700
RDT&E APPROPRIATION	2,937,137	2,809,298	3,205,071	3,361,887	3,208,316	3,310,923	3,338,020	3,618,473
SPECIAL FOREIGN CURRENCY PROGRAM	62	140	-	-	-	-	-	-
DEFENSE AGENCIES	487,971	527,458	475,705	461,310	485,162	556,858	507,500	610,460
MILITARY CONSTRUCTION	2,608	2,659	509	-	57	129	-	-
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	5,948	4,578	4,421	5,338	6,347	6,461	-	-
RDT&E APPROPRIATION	479,415	520,221	470,775	455,972	478,758	550,268	154,739	610,460
DEFENSE CIVIL PREPAREDNESS AGENCY	5,870	4,494	3,980	3,048	2,320	2,976	2,200	1,200
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	3,404	25,534	26,821	20,917	16,531
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,593,121
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,261,261	1,326,809	1,554,467	1,878,385	1,960,576	2,168,201	2,615,030	2,622,223
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	112,624	127,329	114,129	145,129	167,187
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	36,144	42,213	44,645	37,138	42,586
FOOD & DRUG ADMINISTRATION	18,679	23,455	25,912	24,291	20,765	28,299	19,017	28,644
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29,998
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	68,046	44,433	63,213	24,675	1,400
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	13,605	12,332	9,887	11,269	15,570
HEALTH SERVICES & MENTAL HEALTH ADMIN	180,500	195,510	236,925	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	35,830	96,900	82,770	69,778	59,693
NATIONAL INSTITUTES OF HEALTH	917,677	946,041	1,112,067	1,373,688	1,435,422	1,684,363	2,118,384	2,104,983
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	475	1,531	1,654
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	28,080
OFFICE OF CHILD DEVELOPMENT	1,000	3,868	17,200	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	94,630	114,755	108,023	102,184	66,318	53,126	56,758	30,262
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	28,768	52,993	47,226	61,371	80,014
OFFICE OF INTERNATIONAL HEALTH	-	-	-	703	3,696	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	29,755	8,706	32,500	21,252
SOCIAL & REHABILITATION SERVICE	36,606	32,654	40,862	64,148	9,220	10,100	18,580	N/A
SOCIAL SECURITY ADMINISTRATION	12,169	10,526	13,478	18,354	19,200	21,262	18,900	10,900
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	15,319	40,462	50,090	47,763	58,382	58,737	60,274	68,981
DEPARTMENT OF THE INTERIOR, TOTAL	158,634	182,846	212,988	254,143	194,817	265,994	319,748	303,953
BONNEVILLE POWER ADMINISTRATION	2,215	2,813	3,332	2,576	1,932	3,727	8,307	N/A
BUREAU OF LAND MANAGEMENT	729	772	816	722	663	523	728	881
BUREAU OF MINES	37,303	49,973	66,171	68,553	66,705	82,681	113,700	103,675
GEOLOGICAL SURVEY	39,562	41,856	50,193	62,741	68,671	95,176	115,664	112,205
HERITAGE CONSERVATION & RECREATION SVC	92	185	35	24	20	20	20	20

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
NATIONAL PARK SERVICE	-	1,141	1,293	1,547	2,460	8,404	9,300	7,800
OFFICE OF COAL RESEARCH	16,379	17,555	17,880	36,505	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	27	455	30,960	617	1,089	717	1,015
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	36,330	39,349	41,684	13,085	22,834	23,015	19,011	14,208
OFFICE OF SALINE WATER	24,949	28,049	28,911	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	11,381	11,300	12,773	13,085	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	18,478	20,131	21,235	27,916	24,032	43,353	43,588	54,223
WATER AND POWER RESOURCES SERVICE	7,546	9,044	9,894	9,514	6,883	8,006	8,733	10,126
DEPARTMENT OF JUSTICE, TOTAL	3,638	9,853	11,901	22,177	40,490	43,809	39,918	33,709
DRUG ENFORCEMENT ADMINISTRATION	778	1,290	1,077	882	4,866	3,359	2,600	3,834
FEDERAL BUREAU OF INVESTIGATION	231	425	807	854	622	580	1,387	1,145
FEDERAL PRISON SYSTEM	157	328	459	541	502	610	731	1,020
IMMIGRATION AND NATURALIZATION SERVICE	-	-	-	-	-	59	-	155
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	2,472	7,810	9,558	19,900	34,500	39,201	35,200	27,555
DEPARTMENT OF LABOR, TOTAL	19,823	22,127	23,048	18,334	22,477	25,358	27,814	28,062
BUREAU OF LABOR STATISTICS	3,815	3,636	4,707	998	1,662	1,830	1,308	1,372
EMPLOYMENT STANDARDS ADMINISTRATION	1,994	1,456	1,598	1,320	879	3,222	4,097	4,313
EMPLOYMENT AND TRAINING ADMINISTRATION	13,724	16,062	15,607	14,607	16,107	15,476	17,545	16,755
LABOR-MANAGEMENT SERVICES ADMINISTRATION	290	547	690	445	603	814	731	1,938
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	326	218	253	1,399	2,028	2,900	3,441
OFFICE OF THE SECRETARY	N/A	100	228	711	1,827	1,988	1,233	245
POST OFFICE DEPARTMENT	29,761	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	21,528	29,464	21,735	20,806	24,785	28,639	27,034	44,065
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,000	29,114	21,185	19,317	23,234	27,402	25,423	41,785
DEPARTMENTAL FUNDS	125	350	550	1,489	1,551	1,237	1,611	2,280
PEACE CORPS	403	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	282,602	477,754	287,029	337,287	363,738	339,191	335,700	363,504
COAST GUARD	17,064	24,783	25,354	39,453	47,894	16,078	17,800	17,000
FEDERAL AVIATION ADMINISTRATION	53,911	340,122	107,068	88,627	115,846	113,681	114,600	102,800
FEDERAL HIGHWAY ADMINISTRATION	32,546	28,459	23,336	23,516	33,516	26,814	42,900	53,000

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
FEDERAL RAILROAD ADMINISTRATION	11,390	25,575	22,507	41,416	38,269	51,088	48,500	57,300
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	19,492	22,854	34,755	47,609	44,400	36,179	33,800	49,500
OFFICE OF THE SECRETARY	118,708	16,886	13,240	24,467	25,998	34,482	29,900	31,804
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	9,491	19,075	60,771	72,199	57,817	60,869	48,200	52,100
DEPARTMENT OF THE TREASURY, TOTAL	625	819	1,266	1,013	1,139	1,689	3,842	5,015
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	1,105
BUREAU OF ENGRAVING AND PRINTING	625	819	1,266	1,013	1,139	1,689	2,782	2,500
CUSTOMS SERVICE	-	-	-	-	-	-	1,060	1,410
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ACTION	N/A	130	-	-	101	26	75	353
ADVISORY COMM ON INTERGOV'TL RELATIONS	553	544	699	761	1,009	1,060	964	1,339
APPALACHIAN REGIONAL COMMISSION	-	1,647	-	-	-	-	719	570
ATOMIC ENERGY COMMISSION	1,615,984	1,604,948	1,551,266	1,624,370	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	449	551	1,027	2,372	3,085	4,392	4,049	3,905
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	41,823	24,500	10,000	21,000
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	6	4,257	7,859	3,817	6,803
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,824,987	2,246,625	2,553,700	N/A
ENVIRONMENTAL PROTECTION AGENCY	70,221	101,014	133,821	147,668	172,242	218,567	265,820	282,950
FEDERAL COMMUNICATIONS COMMISSION	1,008	618	695	665	1,181	849	1,071	1,878
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	1,046	3,252	N/A
FEDERAL HOME LOAN BANK BOARD	390	395	492	530	664	663	782	1,665
FEDERAL TRADE COMMISSION	388	440	607	670	932	934	850	1,111
GENERAL SERVICES ADMINISTRATION	325	198	252	517	1,783	1,708	1,212	915
INTERNATIONAL COMMUNICATION AGENCY	175	219	88	124	114	107	92	86
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERSTATE COMMERCE COMMISSION	-	-	-	-	-	-	123	64
LIBRARY OF CONGRESS	1,887	2,563	2,107	2,475	2,143	2,472	2,893	3,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,753,141	3,381,907	3,422,862	3,315,163	3,256,216	3,266,491	3,669,022	3,945,311
NATIONAL SCIENCE FOUNDATION	324,143	373,925	435,000	470,941	584,711	600,400	669,100	674,700
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	46,148	58,458	76,879	107,823
OFFICE OF ECONOMIC OPPORTUNITY	79,273	129,500	81,200	76,900	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	662	156	673	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF SCIENCE AND TECHNOLOGY	1,858	2,004	1,719	-	N/A	N/A	-	-

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TABLE 1A. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	200	655	811	534	4,147	4,704	-
POSTAL SERVICE	N/A	34,442	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	116	-	-	-	-	172	52	468
SMITHSONIAN INSTITUTION	20,336	17,161	18,877	22,791	22,329	24,871	27,633	30,103
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	N/A	N/A	-	32	11,112	14,937	-	N/A
TENNESSEE VALLEY AUTHORITY	8,191	9,853	11,362	16,430	18,859	27,156	34,395	30,205
US ARMS CONTROL & DISARMAMENT AGENCY	5,947	2,569	1,839	1,968	1,359	1,005	1,825	2,238
US INTERNATIONAL TRADE COMMISSION	-	-	-	-	-	-	1,500	2,649
VETERANS ADMINISTRATION	61,707	67,865	76,084	82,793	85,715	97,026	109,504	112,822

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	19,550,839	21,020,862	23,379,120	25,678,894	27,842,218	31,881,731	35,276,588	39,762,269
DEPARTMENT OF AGRICULTURE, TOTAL	425,641	468,843	537,766	572,359	630,474	687,556	799,385	875,932
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	1,633	2,459	2,508
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	904	1,277	1,418	1,446
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	30,495	32,400	35,600	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	22,240	23,564	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	1,240	1,354	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	1,237	1,992	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	31,051	36,585	38,968
FOREST SERVICE	72,488	90,277	92,533	86,708	105,700	100,561	113,400	135,500
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	-	6,446	6,536	6,665
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	519	767	844	1,093
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	414,738	453,251	487,751	545,821	638,143	689,754
AGRICULTURAL RESEARCH	232,781	247,441	294,580	318,401	331,158	371 576	436,951	461,153
COOPERATIVE RESEARCH	95,579	104,198	120,158	134,850	156,593	174 45	201,192	228,801
TECHNICAL INFORMATION SYSTEMS	76	19	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	224,592	233,316	238,188	272,678	307,094	360,640	360,242	332,231
BUREAU OF THE CENSUS	975	2,494	2,535	3,302	2,742	3,157	3,572	3,678
ECONOMIC DEVELOPMENT ADMINISTRATION	15,030	13,571	20,000	25,075	26,700	35,500	29,200	7,800
MARITIME ADMINISTRATION	27,869	24,398	18,800	18,800	18,670	24,119	17,800	15,900
MINORITY BUSINESS DEVELOPMENT AGENCY	1,816	3,161	1,586	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	47,165	49,107	53,128	59,002	64,758	77,129	83,370	99,050
NATIONAL FIRE PREVENTION & CONTROL ADMIN	2,400	4,611	6,576	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	127,689	134,457	132,609	164,733	190,110	210,583	215,034	195,284
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	2,500	1,266	3,300	9,100	9,900	9,700
OFFICE OF TELECOMMUNICATIONS	1,148	1,147	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	279	592	252	200
PATENT AND TRADEMARK OFFICE	500	370	454	500	535	460	1,114	619
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,363,517	9,445,510	10,307,977	10,935,419	11,733,102	13,708,133	15,845,283	19,878,651

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TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE ARMY	2,083,044	1,969,575	2,195,044	2,464,318	2,536,219	2,852,886	3,145,143	3,722,338
MILITARY FUNCTIONS	2,070,224	1,941,212	2,171,189	2,437,795	2,510,627	2,823,131	3,115,118	3,689,268
MILITARY CONSTRUCTION	21,711	12,700	13,200	6,800	1,000	5,700	5,100	9,200
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	84,107	86,900	88,800	88,787	100,757	110,400	136,018	137,068
RDT&E APPROPRIATION	1,964,406	1,841,612	2,069,189	2,342,208	2,408,870	2,707,031	2,974,000	3,543,000
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	12,820	28,363	23,855	26,523	25,592	29,755	30,025	33,070
DEPARTMENT OF THE NAVY	3,128,263	3,320,098	3,[illegible]32,569	3,919,368	3,926,432	4,507,858	5,082,666	5,639,110
MILITARY CONSTRUCTION	13,765	19,300	18,500	8,400	7,300	27,900	12,200	14,100
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	90,300	81,100	80,700	83,742	86,621	95,900	117,675	125,476
RDT&E APPROPRIATION	3,020,979	3,214,937	3,480,513	3,824,871	3,826,449	4,381,458	4,950,000	5,493,000
SPECIAL FOREIGN CURRENCY PROGRAM	1,219	4,761	2,856	2,355	6,062	2,600	2,791	6,534
DEPARTMENT OF THE AIR FORCE	3,567,555	3,625,220	3,902,173	3,969,911	4,427,950	5,323,563	6,393,474	8,872,203
MILITARY CONSTRUCTION	15,085	42,100	40,000	82,198	100,000	46,000	46,000	48,000
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	241,547	245,100	243,700	261,687	248,193	261,000	335,474	349,203
RDT&E APPROPRIATION	3,310,923	3,338,020	3,618,473	3,626,026	4,079,757	5,016,563	6,012,000	8,475,000
SPECIAL FOREIGN CURRENCY PROGRAM	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	556,858	507,500	610,460	555,057	814,181	981,435	1,185,000	1,601,000
MILITARY CONSTRUCTION	129	-	-	-	5,400	-	-	-
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	6,461	-	-	-	-	-	-	-
RDT&E APPROPRIATION	550,268	154,739	610,460	555,057	808,781	981,435	1,185,000	1,601,000
DEFENSE CIVIL PREPAREDNESS AGENCY	2,976	2,200	1,200	2,900	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	26,821	20,917	16,531	23,865	28,320	40,391	39,000	44,000

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TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	136,476	120,910	134,245	101,605
DEPARTMENT OF ENERGY	N/A	N/A	3,593,121	4,413,005	4,956,800	5,660,248	6,104,503	5,815,082
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,168,201	2,615,030	2,622,223	3,070,235	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	114,129	145,129	167,187	179,856	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	44,645	37,138	42,586	58,274	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	28,299	19,017	28,644	55,953	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	29,998	14,200	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	63,213	24,675	1,400	6,703	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	9,887	11,269	15,570	15,719	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	82,770	69,778	59,693	74,812	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,684,363	2,118,384	2,104,983	2,507,105	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	475	1,531	1,654	1,132	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	28,080	13,269	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	53,126	56,758	30,262	25,837	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	47,226	61,371	80,014	75,274	N/A	N/A	N/A	N/A
OFFICE OF INTERNATIONAL HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	8,706	32,500	21,252	30,201	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	10,100	18,580	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	21,262	18,900	10,900	11,900	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	3,172,700	3,554,091	3,717,360	3,947,045
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	184,736	218,060	218,353	215,766
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	72,391	72,572	79,088	73,189
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	40,590	61,000	61,900	64,800
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	19,490	29,420	45,735	46,000
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	3,200	2,752	3,726	3,822
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	23,051	20,200	13,508	1,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,713,447	3,029,267	3,178,697	3,431,369
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	14,726	26,965	27,270	24,768
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	57,088	48,468	46,835	46,311
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	26,540	24,000	22,000	16,700
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	17,441	21,387	20,248	23,220
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	58,737	60,274	68,981	59,269	74,324	65,785	58,142	46,389
DEPARTMENT OF THE INTERIOR, TOTAL	265,994	319,748	303,953	339,932	404,277	431,486	432,381	394,907
BONNEVILLE POWER ADMINISTRATION	3,727	8,307	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	523	728	881	1,228	1,335	1,654	1,855	2,010

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TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
BUREAU OF MINES	82,681	113,700	103,875	104,180	121,378	130,802	127,403	106,806
GEOLOGICAL SURVEY	95,176	115,664	112,205	128,711	144,157	145,168	153,753	171,190
HERITAGE CONSERVATION & RECREATION SVC	20	20	20	-	-	-	-	-
NATIONAL PARK SERVICE	8,404	9,300	7,600	7,700	8,944	8,243	10,025	13,371
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	1,089	717	1,015	2,115	1,458	1,865	3,013	1,400
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	-	4,979	7,771	6,290	1,170
OFFICE OF WATER RESEARCH & TECHNOLOGY	23,015	19,011	14,208	17,585	23,789	29,958	20,173	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	43,353	43,568	54,223	67,540	87,254	92,970	92,900	89,400
WATER AND POWER RESOURCES SERVICE	8,006	8,733	10,128	10,873	10,983	13,055	16,969	9,560
DEPARTMENT OF JUSTICE, TOTAL	43,809	39,918	33,709	33,457	45,878	45,320	41,698	33,953
DRUG ENFORCEMENT ADMINISTRATION	3,359	2,600	3,834	1,700	2,700	4,400	3,700	2,000
FEDERAL BUREAU OF INVESTIGATION	580	1,387	1,145	889	2,514	1,804	1,407	645
FEDERAL PRISON SYSTEM	610	731	1,020	1,844	3,263	2,107	3,107	2,107
IMMIGRATION AND NATURALIZATION SERVICE	59	-	155	254	286	302	1,032	400
OFFICE OF THE ATTORNEY GENERAL	-	-	-	1,631	1,615	1,632	1,000	1,000
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	39,201	35,200	27,555	27,139	35,500	35,075	31,452	27,801
DEPARTMENT OF LABOR, TOTAL	25,358	27,814	28,062	97,629	109,170	137,733	107,186	36,832
BUREAU OF LABOR STATISTICS	1,830	1,308	1,372	1,238	912	925	838	879
EMPLOYMENT STANDARDS ADMINISTRATION	3,222	4,097	4,313	3,642	5,078	4,700	5,700	4,700
EMPLOYMENT AND TRAINING ADMINISTRATION	15,476	17,545	16,755	86,599	92,987	121,745	88,754	18,898
LABOR-MANAGEMENT SERVICES ADMINISTRATION	814	731	1,936	2,650	3,486	2,763	2,994	3,055
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,028	2,900	3,441	1,300	5,107	6,300	8,000	8,300
OFFICE OF THE SECRETARY	1,988	1,233	245	2,200	1,600	1,300	900	1,000
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	28,639	27,034	44,065	57,486	3,168	2,206	1,887	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	27,402	25,423	41,785	54,638	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	1,237	1,611	2,280	2,848	3,168	2,206	1,887	1,827
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	339,191	335,700	363,504	377,250	372,362	390,969	393,750	380,450

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TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
COAST GUARD	16,078	17,800	17,000	20,300	20,454	17,878	25,000	30,000
FEDERAL AVIATION ADMINISTRATION	113,681	114,600	102,800	100,200	111,400	109,700	129,200	114,600
FEDERAL HIGHWAY ADMINISTRATION	26,814	42,900	53,000	52,900	48,900	53,400	53,200	51,200
FEDERAL RAILROAD ADMINISTRATION	51,088	48,500	57,300	62,400	58,000	63,500	45,100	44,900
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	36,179	33,800	49,500	68,500	53,600	60,300	62,200	65,700
OFFICE OF THE SECRETARY	34,482	29,900	31,804	19,650	16,676	14,881	13,950	10,800
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	800	12,800	12,400	12,600	12,500
URBAN MASS TRANSPORTATION ADMINISTRATION	60,869	48,200	52,100	52,500	50,532	58,910	52,500	50,750
DEPARTMENT OF THE TREASURY, TOTAL	1,689	3,842	5,015	9,901	9,581	10,900	13,050	14,050
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	1,105	1,974	2,513	1,550	300	-
BUREAU OF ENGRAVING AND PRINTING	1,689	2,782	2,500	3,700	2,088	2,300	4,500	4,700
CUSTOMS SERVICE	-	1,060	1,410	1,827	1,380	3,040	3,250	3,250
INTERNAL REVENUE SERVICE	-	-	-	2,400	3,600	4,000	4,700	5,800
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	10	300	300
OTHER AGENCIES								
ACTION	26	75	353	1,633	1,573	-	-	-
ADVISORY COMM ON INTERGOV'TL RELATIONS	1,060	964	1,339	1,492	1,712	1,717	2,066	1,964
APPALACHIAN REGIONAL COMMISSION	-	719	570	460	870	800	375	400
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	4,392	4,049	3,905	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	24,500	10,000	21,000	24,100	19,500	25,515	22,472	7,300
CONSUMER PRODUCT SAFETY COMMISSION	7,859	3,817	6,803	4,203	5,800	6,300	6,800	5,600
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,246,625	2,553,700	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	218,567	265,620	282,950	312,514	388,867	384,700	343,700	327,200
FEDERAL COMMUNICATIONS COMMISSION	849	1,071	1,878	2,400	1,941	3,096	2,849	2,001
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	11,953	11,249	14,347	17,001
FEDERAL ENERGY ADMINISTRATION	1,046	3,252	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	663	782	1,665	977	863	1,227	1,150	1,321
FEDERAL TRADE COMMISSION	934	850	1,111	1,356	1,521	3,216	4,399	1,834
GENERAL SERVICES ADMINISTRATION	1,708	1,212	915	2,666	493	159	373	134
INTERNATIONAL COMMUNICATION AGENCY	107	92	86	148	98	86	164	199
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	80,305	114,330	168,308	163,122
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	80,305	114,330	168,308	163,122
INTERSTATE COMMERCE COMMISSION	-	123	64	250	150	143	175	150
LIBRARY OF CONGRESS	2,472	2,893	3,600	4,700	5,400	6,500	7,200	6,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,266,491	3,669,022	3,945,311	3,983,119	4,196,472	4,851,637	5,274,000	5,895,200

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TABLE 1B. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
NATIONAL SCIENCE FOUNDATION	600,400	689,100	674,700	738,566	804,561	848,200	909,100	920,100
NUCLEAR REGULATORY COMMISSION	58,458	76,879	107,823	131,690	145,422	182,752	207,504	222,662
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	4,474	5,990	6,788	8,482	4,991
OFFICE OF SCIENCE AND TECHNOLOGY	N/A	-	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	4,147	4,704	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	172	52	466	-	-	-	-	-
SMITHSONIAN INSTITUTION	24,871	27,633	30,103	34,668	37,813	39,520	43,879	48,672
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	14,937	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	27,156	34,395	30,205	53,377	45,423	75,348	98,748	112,439
US ARMS CONTROL & DISARMAMENT AGENCY	1,005	1,825	2,238	3,636	3,540	3,795	1,500	2,150
US INTERNATIONAL TRADE COMMISSION	-	1,500	2,649	3,119	3,417	2,068	2,984	3,926
VETERANS ADMINISTRATION	97,026	109,504	112,822	123,931	123,128	138,608	146,881	158,349

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	15,155,499	15,358,027	16,162,651	16,850,405	17,592,502	18,721,158	20,220,243	22,578,877
DEPARTMENT OF AGRICULTURE, TOTAL	284,952	311,295	348,145	348,496	375,574	417,703	460,016	515,255
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30,495
ECONOMIC RESEARCH SERVICE	15,788	14,802	16,833	15,154	18,140	22,240	23,564	N/A
FARMER COOPERATIVE SERVICE	879	937	1,088	1,141	1,218	1,240	1,354	N/A
STATISTICAL REPORTING SERVICE	704	682	721	717	599	1,237	1,992	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	44,880	49,073	55,183	54,717	63,347	68,584	86,907	89,033
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	395,727
AGRICULTURAL RESEARCH	161,342	177,651	200,938	194,668	207,100	228,792	241,984	275,648
COOPERATIVE RESEARCH	61,053	67,763	73,085	81,825	85,001	95,534	104,196	120,079
TECHNICAL INFORMATION SYSTEMS	306	387	297	274	169	76	19	-
DEPARTMENT OF COMMERCE, TOTAL	122,879	118,192	164,143	180,391	176,312	214,056	225,503	232,500
BUREAU OF THE CENSUS	3,038	4,177	3,843	1,035	988	975	2,494	2,535
ECONOMIC DEVELOPMENT ADMINISTRATION	10,379	5,008	5,446	5,132	5,436	15,030	13,571	20,000
MARITIME ADMINISTRATION	6,913	9,237	11,065	21,398	23,646	27,081	22,780	15,100
MINORITY BUSINESS DEVELOPMENT AGENCY	3,687	-	-	1,448	1,459	1,816	3,161	1,586
NATIONAL BUREAU OF STANDARDS	29,128	31,788	33,729	35,597	40,703	45,331	47,972	52,573
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	2,400	4,611	6,576
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	69,350	65,424	106,953	110,932	101,574	119,775	129,397	131,176
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,500
OFFICE OF TELECOMMUNICATIONS	-	1,981	2,550	3,487	2,031	1,148	1,147	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE	384	577	557	609	475	500	370	454
UNITED STATES TRAVEL SERVICE	-	-	-	753	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	7,447,091	7,561,459	8,138,758	8,440,638	8,814,882	9,210,829	9,301,287	10,182,377

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TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE ARMY	1,753,484	1,637,865	1,859,363	1,996,421	2,277,225	2,053,053	1,948,952	2,180,244
MILITARY FUNCTIONS	1,743,986	1,628,544	1,849,612	1,984,605	2,266,025	2,041,553	1,923,512	2,156,389
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	80,700	65,276	77,757	83,335	86,608	84,107	86,900	88,800
RDT&E APPROPRIATION	1,663,286	1,563,268	1,771,855	1,901,270	2,179,419	1,957,446	1,836,612	2,067,589
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	9,498	9,321	9,751	11,816	11,200	11,500	25,440	23,855
DEPARTMENT OF THE NAVY	2,150,823	2,449,426	2,462,107	2,466,389	2,668,284	3,078,498	3,260,798	3,518,969
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	73,350	63,960	67,585	86,000	84,200	90,300	81,100	80,700
RDT&E APPROPRIATION	2,076,848	2,384,606	2,393,633	2,379,199	2,582,433	2,986,979	3,174,937	3,435,413
SPECIAL FOREIGN CURRENCY PROGRAM	615	860	889	1,190	1,651	1,219	4,761	2,856
DEPARTMENT OF THE AIR FORCE	3,088,536	2,975,900	3,362,607	3,533,094	3,374,082	3,513,060	3,568,120	3,862,173
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	202,477	201,022	206,157	210,607	216,393	241,547	245,100	243,700
RDT&E APPROPRIATION	2,885,997	2,774,738	3,156,450	3,322,487	3,157,689	3,271,513	3,323,020	3,618,473
SPECIAL FOREIGN CURRENCY PROGRAM	62	140	-	-	-	-	-	-
DEFENSE AGENCIES	448,378	493,774	450,701	438,282	467,437	536,221	500,300	603,260
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	5,948	4,578	4,421	5,338	6,347	6,461	-	-
RDT&E APPROPRIATION	442,430	489,196	446,280	432,944	461,090	529,760	153,081	603,260
DEFENSE CIVIL PREPAREDNESS AGENCY	5,870	4,494	3,980	3,048	2,320	2,976	2,200	1,200
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	3,404	25,534	26,821	20,917	16,531
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,165,988

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TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,217,944	1,282,498	1,516,654	1,815,657	1,927,323	2,082,280	2,562,646	2,576,634
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	112,624	127,329	114,129	145,129	167,187
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	36,104	42,213	44,645	37,138	42,586
FOOD & DRUG ADMINISTRATION	18,679	23,455	25,912	24,139	20,334	27,578	18,518	24,357
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29,998
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	54,147	43,027	59,619	24,675	1,400
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	13,605	12,332	9,887	11,269	15,570
HEALTH SERVICES & MENTAL HEALTH ADMIN	180,185	194,976	236,899	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	35,830	96,900	82,770	69,778	59,893
NATIONAL INSTITUTES OF HEALTH	876,592	905,846	1,087,365	1,333,278	1,407,569	1,602,757	2,066,499	2,063,681
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	475	1,531	1,654
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	28,080
OFFICE OF CHILD DEVELOPMENT	1,000	3,868	17,200	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	92,713	111,173	94,938	93,957	62,755	53,126	56,758	30,262
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	28,768	52,993	47,226	61,371	80,014
OFFICE OF INTERNATIONAL HEALTH	-	-	-	703	3,696	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	29,755	8,706	32,500	21,252
SOCIAL & REHABILITATION SERVICE	36,606	32,654	40,862	64,148	9,220	10,100	18,580	N/A
SOCIAL SECURITY ADMINISTRATION	12,169	10,526	13,478	18,354	19,200	21,262	18,900	10,900
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	15,319	40,462	50,090	47,763	58,382	58,737	60,274	68,981
DEPARTMENT OF THE INTERIOR, TOTAL	150,375	175,880	208,219	237,442	192,831	263,562	318,951	299,512
BONNEVILLE POWER ADMINISTRATION	2,120	1,853	2,491	2,191	1,788	3,673	8,253	N/A
BUREAU OF LAND MANAGEMENT	729	772	816	722	663	523	728	881
BUREAU OF MINES	37,303	49,973	66,171	68,553	66,705	82,681	113,700	100,741
GEOLOGICAL SURVEY	39,562	41,856	50,159	62,101	68,274	95,176	115,664	112,205
HERITAGE CONSERVATION & RECREATION SVC	92	185	35	24	20	20	20	20
NATIONAL PARK SERVICE	-	1,141	1,293	1,547	2,460	8,377	9,272	7,598
OFFICE OF COAL RESEARCH	10,313	13,680	14,892	22,301	N/A	N/A	N/A	N/A

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TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF THE SECRETARY	-	27	455	30,681	617	1,089	717	1,015
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	34,683	37,497	41,320	13,085	22,334	23,015	19,011	13,303
OFFICE OF SALINE WATER	23,302	26,197	28,547	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	11,381	11,300	12,773	13,085	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	18,027	19,852	20,693	26,723	23,087	41,002	42,853	53,623
WATER AND POWER RESOURCES SERVICE	7,546	9,044	9,894	9,514	6,883	8,006	8,733	10,126
DEPARTMENT OF JUSTICE, TOTAL	3,638	9,853	11,901	22,177	40,490	43,809	39,918	33,709
DRUG ENFORCEMENT ADMINISTRATION	778	1,290	1,077	882	4,866	3,359	2,600	3,834
FEDERAL BUREAU OF INVESTIGATION	231	425	807	854	622	580	1,387	1,145
FEDERAL PRISON SYSTEM	157	328	459	541	502	610	731	1,020
IMMIGRATION AND NATURALIZATION SERVICE	-	-	-	-	-	59	-	155
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	2,472	7,810	9,558	19,900	34,500	39,201	35,200	27,555
DEPARTMENT OF LABOR, TOTAL	19,823	22,127	23,048	18,334	22,477	25,358	27,814	28,062
BUREAU OF LABOR STATISTICS	3,815	3,636	4,707	998	1,662	1,830	1,308	1,372
EMPLOYMENT STANDARDS ADMINISTRATION	1,994	1,456	1,598	1,320	879	3,222	4,097	4,313
EMPLOYMENT AND TRAINING ADMINISTRATION	13,724	16,062	15,607	14,607	16,107	15,476	17,545	16,755
LABOR-MANAGEMENT SERVICES ADMINISTRATION	290	547	690	445	603	814	731	1,936
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	326	218	253	1,399	2,028	2,900	3,441
OFFICE OF THE SECRETARY	N/A	100	228	711	1,827	1,988	1,233	245
POST OFFICE DEPARTMENT	29,739	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	21,398	28,500	18,438	20,230	24,549	28,355	25,879	40,065
AGENCY FOR INTERNATIONAL DEVELOPMENT	20,870	28,150	17,888	18,741	22,998	27,118	24,268	37,785
DEPARTMENTAL FUNDS	125	350	550	1,489	1,551	1,237	1,611	2,280
PEACE CORPS	403	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	258,929	468,165	273,715	312,290	328,380	324,530	323,600	346,004
COAST GUARD	16,733	23,150	23,204	27,957	21,115	15,483	17,300	16,500
FEDERAL AVIATION ADMINISTRATION	53,671	339,322	106,066	88,082	115,208	110,881	112,700	99,800
FEDERAL HIGHWAY ADMINISTRATION	32,444	28,302	22,805	23,383	33,116	26,374	42,500	52,600
FEDERAL RAILROAD ADMINISTRATION	8,390	21,006	16,700	31,758	34,408	42,032	40,500	45,600
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	19,492	22,854	34,755	47,609	44,400	36,179	33,800	49,300

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TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF THE SECRETARY	118,708	16,886	13,240	24,467	25,996	34,482	29,900	31,804
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	9,491	16,645	56,945	69,034	54,137	59,099	46,900	50,400
DEPARTMENT OF THE TREASURY, TOTAL	610	801	1,251	1,000	1,125	1,665	3,735	4,940
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	1,105
BUREAU OF ENGRAVING AND PRINTING	610	801	1,251	1,000	1,125	1,665	2,782	2,500
CUSTOMS SERVICE	-	-	-	-	-	-	953	1,335
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ACTION	N/A	130	-	-	101	26	75	353
ADVISORY COMM ON INTERGOV'TL RELATIONS	553	544	699	761	1,009	1,060	964	1,339
APPALACHIAN REGIONAL COMMISSION	-	1,647	-	-	-	-	719	570
ATOMIC ENERGY COMMISSION	1,345,989	1,302,926	1,297,668	1,363,196	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	449	551	1,027	2,372	3,085	4,392	4,049	3,905
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	41,823	24,500	10,000	21,000
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	6	4,257	5,994	3,628	6,803
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,488,903	1,835,400	2,189,500	N/A
ENVIRONMENTAL PROTECTION AGENCY	68,090	100,634	133,101	144,678	161,306	207,226	258,961	281,324
FEDERAL COMMUNICATIONS COMMISSION	1,000	600	661	665	1,181	849	1,071	1,878
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	1,046	3,252	N/A
FEDERAL HOME LOAN BANK BOARD	390	395	492	530	664	663	782	1,665
FEDERAL TRADE COMMISSION	388	440	607	670	932	934	850	1,111
GENERAL SERVICES ADMINISTRATION	325	198	252	517	1,783	1,708	1,212	915
INTERNATIONAL COMMUNICATION AGENCY	175	219	88	124	114	107	92	88
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERSTATE COMMERCE COMMISSION	-	-	-	-	-	-	123	64
LIBRARY OF CONGRESS	1,887	2,563	2,107	2,475	2,143	2,472	2,893	3,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,696,527	3,337,770	3,372,543	3,270,502	3,181,089	3,181,184	3,548,105	3,840,341
NATIONAL SCIENCE FOUNDATION	292,895	334,710	417,500	427,805	570,678	571,300	619,000	649,600
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	42,338	55,815	73,337	101,716
OFFICE OF ECONOMIC OPPORTUNITY	79,273	129,500	81,200	76,900	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	662	156	673	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF SCIENCE AND TECHNOLOGY	1,858	2,004	1,719	-	N/A	N/A	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	200	655	811	534	4,147	4,704	-
POSTAL SERVICE	N/A	33,772	-	-	-	-	-	-

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TABLE 2A. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
SMALL BUSINESS ADMINISTRATION	116	-	-	-	-	172	52	466
SMITHSONIAN INSTITUTION	20,120	17,161	18,877	22,691	22,244	24,185	27,534	29,824
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	N/A	N/A	-	32	11,112	14,937	-	N/A
TENNESSEE VALLEY AUTHORITY	8,151	9,284	10,118	14,269	13,154	16,545	18,713	26,475
US ARMS CONTROL & DISARMAMENT AGENCY	5,947	2,569	1,839	1,966	1,359	1,005	1,825	2,238
US INTERNATIONAL TRADE COMMISSION	-	-	-	-	-	-	1,500	2,649
VETERANS ADMINISTRATION	58,007	60,822	66,463	75,017	80,368	94,807	97,679	106,928

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	18,721,158	20,220,243	22,578,877	24,571,123	26,639,428	30,400,081	33,667,797	38,277,359
DEPARTMENT OF AGRICULTURE, TOTAL	417,703	460,016	515,255	553,796	608,742	659,849	748,618	844,323
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	1,633	2,459	2,506
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	904	1,277	1,418	1,446
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	30,495	32,400	35,600	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	22,240	23,584	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	1,240	1,354	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	1,237	1,992	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	31,051	36,585	38,968
FOREST SERVICE	68,584	86,907	89,033	84,632	102,200	96,960	110,200	134,100
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	-	6,446	6,536	6,665
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	519	767	844	1,093
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	395,727	436,764	469,519	521,715	590,576	659,545
AGRICULTURAL RESEARCH	228,792	241,984	275,648	301,914	312,926	347,470	389,384	430,944
COOPERATIVE RESEARCH	95,534	104,196	120,079	134,850	156,593	174,245	201,192	228,601
TECHNICAL INFORMATION SYSTEMS	76	19	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	214,056	225,503	232,500	269,196	305,236	355,875	358,935	326,349
BUREAU OF THE CENSUS	975	2,494	2,535	3,302	2,742	3,157	3,572	3,678
ECONOMIC DEVELOPMENT ADMINISTRATION	15,030	13,571	20,000	25,075	26,700	35,500	29,200	7,800
MARITIME ADMINISTRATION	27,081	22,780	15,100	18,500	18,170	23,519	17,400	15,900
MINORITY BUSINESS DEVELOPMENT AGENCY	1,816	3,161	1,586	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	45,331	47,972	52,573	58,095	63,400	76,847	82,763	93,168
NATIONAL FIRE PREVENTION & CONTROL ADMIN	2,400	4,611	6,576	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	119,775	129,397	131,176	162,458	190,110	206,700	214,734	195,284
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	2,500	1,266	3,300	9,100	9,900	9,700
OFFICE OF TELECOMMUNICATIONS	1,148	1,147	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	279	592	252	200
PATENT AND TRADEMARK OFFICE	500	370	454	500	535	460	1,114	619
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,210,629	9,301,287	10,182,377	10,622,819	11,497,302	13,501,433	15,635,283	19,649,751

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TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE ARMY	2,053,053	1,948,952	2,180,244	2,457,518	2,534,119	2,845,286	3,138,243	3,712,238
MILITARY FUNCTIONS	2,041,553	1,923,512	2,156,389	2,430,995	2,508,527	2,815,531	3,108,218	3,679,168
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	84,107	86,900	88,800	88,787	100,757	110,400	136,018	137,068
RDT&E APPROPRIATION	1,957,446	1,836,612	2,067,589	2,342,208	2,407,770	2,705,131	2,972,200	3,542,100
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	11,500	25,440	23,855	26,523	25,592	29,755	30,025	33,070
DEPARTMENT OF THE NAVY	3,078,498	3,260,798	3,518,969	3,870,268	3,873,532	4,416,958	4,995,466	5,534,210
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	90,300	81,100	80,700	83,742	86,621	95,900	117,675	125,476
RDT&E APPROPRIATION	2,986,979	3,174,937	3,435,413	3,784,171	3,780,849	4,318,458	4,875,000	5,402,200
SPECIAL FOREIGN CURRENCY PROGRAM	1,219	4,761	2,856	2,355	6,062	2,600	2,791	6,534
DEPARTMENT OF THE AIR FORCE	3,513,060	3,568,120	3,862,173	3,719,811	4,263,050	5,220,563	6,281,474	8,763,203
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	241,547	245,100	243,700	261,687	248,193	261,000	335,474	349,203
RDT&E APPROPRIATION	3,271,513	3,323,020	3,618,473	3,458,124	4,014,857	4,959,563	5,946,000	8,414,000
SPECIAL FOREIGN CURRENCY PROGRAM	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	536,221	500,300	603,260	548,457	798,281	978,235	1,181,100	1,596,100
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	6,461	-	-	-	-	-	-	-
RDT&E APPROPRIATION	529,760	153,081	603,260	548,457	798,281	978 .35	1,181,100	1,596,100
DEFENSE CIVIL PREPAREDNESS AGENCY	2,978	2,200	1,200	2,900	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	26,821	20,917	16,531	23,865	28,320	40,391	39,000	44,000
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	136,476	120,910	134,245	101,605
DEPARTMENT OF ENERGY	N/A	N/A	3,165,988	3,931,658	4,303,333	4,697,472	5,011,519	4,858,048

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TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,082,280	2,562,646	2,576,634	3,002,203	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	114,129	145,129	167,187	179,856	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	44,645	37,138	42,586	58,274	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	27,578	18,518	24,357	54,730	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	29,998	14,200	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	59,619	24,675	1,400	6,703	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	9,887	11,269	15,570	15,719	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN ...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	82,770	69,778	59,693	74,812	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,602,757	2,066,499	2,063,681	2,440,296	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	475	1,531	1,654	1,132	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	28,080	13,269	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	53,126	56,758	30,262	25,837	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	47,226	61,371	80,014	75,274	N/A	N/A	N/A	N/A
OFFICE OF INTERNATIONAL HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	8,706	32,500	21,252	30,201	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	10,100	18,580	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	21,262	18,900	10,900	11,900	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	3,099,272	3,477,232	3,676,675	3,903,882
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	N/A	N/A	N/A	N/A	184,382	217,930	217,435	214,494
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	72,391	72,572	79,088	73,189
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	39,984	60,300	59,900	60,300
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	19,490	29,420	45,735	46,000
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	3,200	2,752	3,726	3,822
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	23,051	20,200	13,508	1,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,640,979	2,953,238	3,140,930	3,393,978
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	14,726	26,965	27,270	24,768
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	57,088	48,468	46,835	46,311
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	26,540	24,000	22,000	16,700
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	17,441	21,387	20,248	23,220
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT .	58,737	60,274	68,981	59,269	74,324	65,785	58,142	46,389
DEPARTMENT OF THE INTERIOR, TOTAL	263,562	318,951	299,512	332,265	395,287	422,748	428,581	394,207
BONNEVILLE POWER ADMINISTRATION	3,673	8,253	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	523	728	881	1,228	1,335	1,654	1,855	2,010
BUREAU OF MINES	82,681	113,700	100,741	104,113	117,100	128,364	126,803	106,806
GEOLOGICAL SURVEY	95,176	115,664	112,205	128,711	144,157	145,168	153,753	171,190
HERITAGE CONSERVATION & RECREATION SVC ..	20	20	20	-	-	-	-	-
NATIONAL PARK SERVICE	8,377	9,272	7,598	7,700	8,944	8,243	10,025	13,371

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TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	1,089	717	1,015	2,115	1,458	1,865	3,013	1,400
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	-	4,979	7,471	6,290	1,170
OFFICE OF WATER RESEARCH & TECHNOLOGY	23,015	19,011	13,303	16,985	23,089	29,258	19,073	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	41,002	42,853	53,623	60,540	83,242	87,670	90,800	88,700
WATER AND POWER RESOURCES SERVICE	8,006	8,733	10,128	10,873	10,983	13,055	16,969	9,560
DEPARTMENT OF JUSTICE, TOTAL	43,809	39,918	33,709	33,457	45,878	45,320	41,698	33,953
DRUG ENFORCEMENT ADMINISTRATION	3,359	2,600	3,834	1,700	2,700	4,400	3,700	2,000
FEDERAL BUREAU OF INVESTIGATION	580	1,387	1,145	689	2,514	1,804	1,407	845
FEDERAL PRISON SYSTEM	610	731	1,020	1,844	3,263	2,107	3,107	2,107
IMMIGRATION AND NATURALIZATION SERVICE	59	-	155	254	286	302	1,032	400
OFFICE OF THE ATTORNEY GENERAL	-	-	-	1,831	1,615	1,632	1,000	1,000
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	39,201	35,200	27,555	27,139	35,500	35,075	31,452	27,801
DEPARTMENT OF LABOR, TOTAL	25,358	27,814	28,062	97,629	109,170	137,733	107,186	36,832
BUREAU OF LABOR STATISTICS	1,830	1,308	1,372	1,238	912	925	838	879
EMPLOYMENT STANDARDS ADMINISTRATION	3,222	4,097	4,313	3,642	5,078	4,700	5,700	4,700
EMPLOYMENT AND TRAINING ADMINISTRATION	15,476	17,545	16,755	86,599	92,987	121,745	88,754	18,898
LABOR-MANAGEMENT SERVICES ADMINISTRATION	814	731	1,936	2,650	3,486	2,763	2,994	3,055
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,028	2,900	3,441	1,300	5,107	6,300	8,000	8,300
OFFICE OF THE SECRETARY	1,988	1,233	245	2,200	1,600	1,300	900	1,000
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	28,355	25,879	40,065	57,360	3,168	2,206	1,887	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	27,118	24,268	37,785	54,512	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	1,237	1,611	2,280	2,848	3,168	2,206	1,887	1,827
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	324,530	323,600	346,004	364,050	356,162	374,669	378,550	381,250
COAST GUARD	15,483	17,300	16,500	19,600	20,454	17,878	25,000	30,000
FEDERAL AVIATION ADMINISTRATION	110,881	112,700	99,800	99,200	101,900	104,200	121,500	107,400
FEDERAL HIGHWAY ADMINISTRATION	26,374	42,500	52,600	52,500	48,700	53,100	53,100	51,100

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TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FEDERAL RAILROAD ADMINISTRATION	42,032	40,500	45,600	51,500	51,700	53,200	38,200	33,600
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	36,179	33,800	49,300	68,300	53,400	60,100	61,700	65,100
OFFICE OF THE SECRETARY	34,482	29,900	31,804	19,650	16,676	14,881	13,950	10,800
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	800	12,800	12,400	12,600	12,500
URBAN MASS TRANSPORTATION ADMINISTRATION	59,099	46,900	50,400	52,500	50,532	58,910	52,500	50,750
DEPARTMENT OF THE TREASURY, TOTAL	1,665	3,735	4,940	9,878	9,541	10,860	13,000	14,000
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	1,105	1,974	2,513	1,550	300	-
BUREAU OF ENGRAVING AND PRINTING	1,665	2,782	2,500	3,700	2,088	2,300	4,500	4,700
CUSTOMS SERVICE	-	953	1,335	1,804	1,340	3,000	3,200	3,200
INTERNAL REVENUE SERVICE	-	-	-	2,400	3,600	4,000	4,700	5,800
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	10	300	300
OTHER AGENCIES								
ACTION	26	75	353	1,633	1,573	-	-	-
ADVISORY COMM ON INTERGOV'TL RELATIONS	1,060	984	1,339	1,492	1,712	1,717	2,068	1,984
APPALACHIAN REGIONAL COMMISSION	-	719	570	460	870	800	375	400
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	4,392	4,049	3,905	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	24,500	10,000	21,000	24,100	19,500	25,515	22,472	7,300
CONSUMER PRODUCT SAFETY COMMISSION	5,994	3,628	6,803	3,900	3,100	3,600	4,100	3,500
ENERGY RESEARCH & DEVELOPMENT ADMIN	1,835,400	2,189,500	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	207,226	258,961	281,324	310,306	386,500	384,700	343,700	327,200
FEDERAL COMMUNICATIONS COMMISSION	849	1,071	1,878	2,400	1,941	3,096	2,849	2,001
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	11,953	11,249	14,347	17,001
FEDERAL ENERGY ADMINISTRATION	1,046	3,252	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	663	782	1,665	977	863	1,227	1,150	1,321
FEDERAL TRADE COMMISSION	934	850	1,111	1,356	1,521	3,216	4,399	1,834
GENERAL SERVICES ADMINISTRATION	1,708	1,212	915	2,666	493	159	373	134
INTERNATIONAL COMMUNICATION AGENCY	107	92	86	148	98	86	164	199
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	75,831	107,757	161,524	155,354
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	75,831	107,757	161,524	155,354
INTERSTATE COMMERCE COMMISSION	-	123	64	250	150	143	175	150
LIBRARY OF CONGRESS	2,472	2,893	3,600	4,700	5,400	6,500	7,200	6,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,181,184	3,548,105	3,840,341	3,858,861	4,063,756	4,711,332	5,117,600	5,741,700
NATIONAL SCIENCE FOUNDATION	571,300	619,000	649,600	700,519	775,161	830,600	896,300	903,800
NUCLEAR REGULATORY COMMISSION	55,815	73,337	101,716	125,441	137,465	175,364	199,366	215,558
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	4,474	5,990	6,788	8,482	4,991

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TABLE 2B. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
OFFICE OF SCIENCE AND TECHNOLOGY	N/A	-	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	4,147	4,704	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	172	52	466	-	-	-	-	-
SMITHSONIAN INSTITUTION	24,185	27,534	29,824	34,575	37,213	39,115	43,123	47,972
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	14,937	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	16,545	18,713	26,475	31,467	37,209	74,748	98,448	111,539
US ARMS CONTROL & DISARMAMENT AGENCY	1,005	1,825	2,238	3,636	3,540	3,795	1,500	2,150
US INTERNATIONAL TRADE COMMISSION	-	1,500	2,649	3,119	3,417	2,068	2,984	3,926
VETERANS ADMINISTRATION	94,807	97,679	106,928	114,270	120,281	134,414	140,781	148,349

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 3A. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	578,892	612,706	564,428	638,398	704,602	829,681	800,619	800,243
DEPARTMENT OF AGRICULTURE, TOTAL	13,625	7,596	9,714	8,572	5,878	7,938	8,827	22,511
DEPARTMENTS								
FOREST SERVICE	965	1,136	1,363	3,569	2,270	3,904	3,370	3,500
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19,011
AGRICULTURAL RESEARCH	11,244	5,121	7,779	4,681	3,447	3,989	5,457	18,932
COOPERATIVE RESEARCH	1,416	1,339	572	322	161	45	-	79
DEPARTMENT OF COMMERCE, TOTAL	5,066	4,683	4,066	5,802	11,890	10,536	7,813	5,688
MARITIME ADMINISTRATION	-	-	334	1,065	2,215	788	1,618	3,700
NATIONAL BUREAU OF STANDARDS	2,129	1,662	1,018	1,249	1,761	1,834	1,135	555
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	2,937	3,021	2,714	3,488	7,914	7,914	5,060	1,433
DEPARTMENT OF DEFENSE, TOTAL	140,833	144,525	158,404	157,011	164,860	152,888	144,223	125,600
DEPARTMENT OF THE ARMY	18,163	32,724	30,448	46,018	31,377	29,991	20,623	14,800
MILITARY FUNCTIONS	18,113	32,647	30,398	46,018	31,377	28,671	17,700	14,800
MILITARY CONSTRUCTION	15,922	27,022	23,521	35,194	21,072	21,711	12,700	13,200
RDT&E APPROPRIATION	2,191	5,625	6,875	10,824	10,305	6,960	5,000	1,600
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	50	77	52	-	-	1,320	2,923	-
DEPARTMENT OF THE NAVY	21,560	28,430	39,373	32,547	47,538	47,765	59,300	63,800
MILITARY CONSTRUCTION	14,160	8,430	6,373	7,547	6,538	13,765	19,300	18,500
RDT&E APPROPRIATION	7,400	20,000	33,000	25,000	41,000	34,000	40,000	45,100
DEPARTMENT OF THE AIR FORCE	61,517	49,687	63,579	55,418	68,220	54,495	57,100	40,000

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TABLE 3A. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
MILITARY CONSTRUCTION	10,377	15,127	14,958	16,018	17,593	15,085	42,100	40,000
RDT&E APPROPRIATION	51,140	34,560	48,621	39,400	50,627	39,410	15,000	-
DEFENSE AGENCIES	39,593	33,684	25,004	23,028	17,725	20,637	7,200	7,200
MILITARY CONSTRUCTION	2,608	2,659	509	-	57	129	-	-
RDT&E APPROPRIATION	36,985	31,025	24,495	23,028	17,668	20,508	1,658	7,200
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	427,133
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	43,317	44,311	37,813	62,728	33,253	85,921	52,384	45,589
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	40	-	-	-	-
FOOD & DRUG ADMINISTRATION	-	-	-	152	431	721	499	4,287
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	13,899	1,406	3,594	-	-
HEALTH SERVICES & MENTAL HEALTH ADMIN	315	534	26	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	41,085	40,195	24,702	40,410	27,853	81,606	51,885	41,302
OFFICE OF EDUCATION	1,917	3,582	13,085	8,227	3,563	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	8,259	6,966	4,769	16,701	1,986	2,432	797	4,441
BONNEVILLE POWER ADMINISTRATION	95	960	841	385	144	54	54	N/A
BUREAU OF MINES	-	-	-	-	-	-	-	2,934
GEOLOGICAL SURVEY	-	-	34	640	397	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	-	27	28	2
OFFICE OF COAL RESEARCH	6,066	3,875	2,988	14,204	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	279	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	1,647	1,852	364	-	500	-	-	905
OFFICE OF SALINE WATER	1,647	1,852	364	-	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	451	279	542	1,193	945	2,351	715	600

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TABLE 3A. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
POST OFFICE DEPARTMENT	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	130	964	3,297	576	236	284	1,155	4,000
AGENCY FOR INTERNATIONAL DEVELOPMENT	130	964	3,297	576	236	284	1,155	4,000
DEPARTMENT OF TRANSPORTATION, TOTAL	3,673	9,589	13,314	24,997	35,358	14,661	12,100	17,500
COAST GUARD	331	1,633	2,150	11,498	28,779	595	500	500
FEDERAL AVIATION ADMINISTRATION	240	800	1,000	545	638	2,800	1,900	3,000
FEDERAL HIGHWAY ADMINISTRATION	102	157	531	133	400	440	400	400
FEDERAL RAILROAD ADMINISTRATION	3,000	4,569	5,807	9,658	3,861	9,056	8,000	11,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	200
URBAN MASS TRANSPORTATION ADMINISTRATION	-	2,430	3,826	3,165	3,680	1,770	1,300	1,700
DEPARTMENT OF THE TREASURY, TOTAL	15	18	15	13	14	24	107	75
BUREAU OF ENGRAVING AND PRINTING	15	18	15	13	14	24	-	-
CUSTOMS SERVICE	-	-	-	-	-	-	107	75
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	269,995	302,022	253,598	261,174	N/A	N/A	N/A	N/A
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	-	-	1,865	189	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	336,084	411,225	384,200	N/A
ENVIRONMENTAL PROTECTION AGENCY	2,131	380	720	2,990	10,936	11,341	6,659	1,626
FEDERAL COMMUNICATIONS COMMISSION	8	18	34	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	56,614	44,137	50,319	44,661	75,127	85,307	120,917	104,970
NATIONAL SCIENCE FOUNDATION	31,248	39,215	17,500	43,136	14,033	29,100	50,100	25,100
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	3,810	2,643	3,542	6,107
POSTAL SERVICE	N/A	670	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	216	-	-	100	85	686	99	279
TENNESSEE VALLEY AUTHORITY	40	569	1,244	2,161	5,705	10,611	15,682	3,730
VETERANS ADMINISTRATION	3,700	7,043	9,621	7,776	5,347	2,219	11,825	5,894

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 3B. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	829,681	800,619	800,243	1,107,771	1,202,790	1,481,650	1,608,771	1,484,910
DEPARTMENT OF AGRICULTURE, TOTAL	7,938	8,827	22,511	18,563	21,732	27,707	50,767	31,609
DEPARTMENTS								
FOREST SERVICE	3,904	3,370	3,500	2,076	3,500	3,601	3,200	1,400
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	19,011	16,487	18,232	24,106	47,567	30,209
AGRICULTURAL RESEARCH	3,989	5,457	18,932	16,487	18,232	24,106	47,567	30,209
COOPERATIVE RESEARCH	45	-	79	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	10,536	7,813	5,688	3,482	1,858	4,765	1,307	5,882
MARITIME ADMINISTRATION	788	1,618	3,700	300	500	600	400	-
NATIONAL BUREAU OF STANDARDS	1,834	1,135	555	907	1,358	282	607	5,882
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	7,914	5,060	1,433	2,275	-	3,883	300	-
DEPARTMENT OF DEFENSE, TOTAL	152,888	144,223	125,600	312,600	235,800	204,700	210,000	228,900
DEPARTMENT OF THE ARMY	29,991	20,623	14,800	6,800	2,100	7,600	6,900	10,100
MILITARY FUNCTIONS	28,671	17,700	14,800	6,800	2,100	7,600	6,900	10,100
MILITARY CONSTRUCTION	21,711	12,700	13,200	6,800	1,000	5,700	5,100	9,200
RDT&E APPROPRIATION	6,960	5,000	1,600	-	1,100	1,900	1,800	900
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	1,320	2,923	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	47,765	59,300	63,600	49,100	52,900	90,900	87,200	104,900
MILITARY CONSTRUCTION	13,765	19,300	18,500	8,400	7,300	27,900	12,200	14,100
RDT&E APPROPRIATION	34,000	40,000	45,100	40,700	45,600	63,000	75,000	90,800
DEPARTMENT OF THE AIR FORCE	54,495	57,100	40,000	250,100	184,900	103,000	112,000	109,000

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TABLE 3B. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MILITARY CONSTRUCTION	15,085	42,100	40,000	82,198	100,000	46,000	46,000	48,000
RDT&E APPROPRIATION	39,410	15,000	-	167,902	64,900	57,000	66,000	61,000
DEFENSE AGENCIES	20,637	7,200	7,200	6,600	15,900	3,200	3,900	4,900
MILITARY CONSTRUCTION	129	-	-	-	5,400	-	-	-
RDT&E APPROPRIATION	20,508	1,658	7,200	6,600	10,500	3,200	3,900	4,900
DEPARTMENT OF ENERGY	N/A	N/A	427,133	481,349	653,467	962,776	1,092,984	957,034
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	85,921	52,384	45,589	68,032	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	-	-	-	-	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	721	499	4,287	1,223	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	3,594	-	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	81,606	51,885	41,302	66,809	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	73,428	76,859	40,685	43,163
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	354	130	918	1,272
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	606	700	2,000	4,500
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	72,468	76,029	37,767	37,391
DEPARTMENT OF THE INTERIOR, TOTAL	2,432	797	4,441	7,667	8,990	8,738	3,800	700
BONNEVILLE POWER ADMINISTRATION	54	54	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF MINES	-	-	2,934	67	4,278	2,438	600	-
GEOLOGICAL SURVEY	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	27	28	2	-	-	-	-	-
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	-	-	300	-	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	-	-	905	600	700	700	1,100	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 3B. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
UNITED STATES FISH AND WILDLIFE SERVICE	2,351	715	600	7,000	4,012	5,300	2,100	700
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	284	1,155	4,000	126	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	284	1,155	4,000	126	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	14,661	12,100	17,500	13,200	16,200	16,300	15,200	19,200
COAST GUARD	595	500	500	700	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	2,800	1,900	3,000	1,000	9,500	5,500	7,700	7,200
FEDERAL HIGHWAY ADMINISTRATION	440	400	400	400	200	300	100	100
FEDERAL RAILROAD ADMINISTRATION	9,056	8,000	11,700	10,900	6,300	10,300	6,900	11,300
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	200	200	200	200	500	600
URBAN MASS TRANSPORTATION ADMINISTRATION	1,770	1,300	1,700	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	24	107	75	23	40	40	50	50
BUREAU OF ENGRAVING AND PRINTING	24	-	-	-	-	-	-	-
CUSTOMS SERVICE	-	107	75	23	40	40	50	50
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CONSUMER PRODUCT SAFETY COMMISSION	1,865	189	-	303	2,700	2,700	2,700	2,100
ENERGY RESEARCH & DEVELOPMENT ADMIN	411,225	364,200	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	11,341	6,659	1,626	2,208	2,367	-	-	-
FEDERAL COMMUNICATIONS COMMISSION	-	-	-	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	4,474	6,573	6,784	7,768
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	4,474	6,573	6,784	7,768
NATIONAL AERONAUTICS & SPACE ADMIN	85,307	120,917	104,970	124,258	132,716	140,305	156,400	153,500
NATIONAL SCIENCE FOUNDATION	29,100	50,100	25,100	38,047	29,400	17,600	12,800	16,300
NUCLEAR REGULATORY COMMISSION	2,643	3,542	6,107	6,249	7,957	7,388	8,138	7,104
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	686	99	279	93	600	405	756	700
TENNESSEE VALLEY AUTHORITY	10,611	15,682	3,730	21,910	8,214	600	300	900
VETERANS ADMINISTRATION	2,219	11,825	5,894	9,661	2,847	4,194	6,100	10,000

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	15,863,385	16,153,756	17,097,951	17,574,486	18,176,457	19,859,548	21,616,382	25,350,173
DEPARTMENT OF AGRICULTURE, TOTAL	286,407	310,006	357,376	369,401	387,540	427,879	478,591	559,871
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30,490
ECONOMIC RESEARCH SERVICE	14,904	15,534	16,003	16,937	18,140	21,307	23,962	N/A
FARMER COOPERATIVE SERVICE	884	1,017	1,066	1,185	1,350	1,156	1,205	N/A
STATISTICAL REPORTING SERVICE	685	710	741	738	612	1,167	1,873	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	43,719	47,064	58,711	59,632	69,620	81,499	82,846	92,054
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	437,327
AGRICULTURAL RESEARCH	163,955	177,528	198,043	201,228	208,254	221,603	255,308	310,062
COOPERATIVE RESEARCH	62,052	67,762	82,584	89,406	89,421	101,141	113,389	127,265
TECHNICAL INFORMATION SYSTEMS	208	391	228	275	143	6	8	-
DEPARTMENT OF COMMERCE, TOTAL	125,454	152,886	194,684	198,454	192,159	224,915	235,484	251,811
BUREAU OF THE CENSUS	3,038	4,113	3,900	1,006	1,026	1,013	2,494	2,634
ECONOMIC DEVELOPMENT ADMINISTRATION	8,762	4,630	6,578	6,345	4,089	10,339	15,071	15,000
MARITIME ADMINISTRATION	12,551	24,326	22,864	25,875	25,871	23,902	21,179	19,700
MINORITY BUSINESS DEVELOPMENT AGENCY	3,505	-	505	2,096	956	4,588	2,027	3,438
NATIONAL BUREAU OF STANDARDS	30,769	33,779	38,557	38,938	41,069	44,573	47,940	53,905
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	3,598	6,432	6,576
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	66,432	83,354	120,095	119,281	117,014	135,083	139,071	147,200
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,900
OFFICE OF TELECOMMUNICATIONS	-	2,107	3,563	3,487	1,640	1,319	896	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE	397	577	622	624	494	500	374	458
UNITED STATES TRAVEL SERVICE	-	-	-	802	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	7,500,949	7,662,706	8,492,887	8,550,571	8,589,516	9,179,602	9,798,145	11,408,951

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TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE ARMY	1,687,021	1,725,978	2,103,651	2,030,685	2,041,974	1,920,691	2,025,976	2,458,166
MILITARY FUNCTIONS	1,677,136	1,717,135	2,092,581	2,020,581	2,030,574	1,907,871	1,997,403	2,434,311
MILITARY CONSTRUCTION	21,478	34,355	29,023	7,854	23,662	15,645	4,400	14,700
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	79,352	65,276	77,913	84,656	88,149	86,708	86,900	88,800
RDT&E APPROPRIATION	1,576,306	1,617,504	1,985,645	1,928,071	1,918,763	1,805,518	1,906,103	2,330,811
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	9,885	8,843	11,070	10,104	11,400	12,820	28,573	23,855
DEPARTMENT OF THE NAVY	2,276,120	2,311,686	2,559,735	2,690,458	2,772,553	3,162,843	3,373,805	3,878,810
MILITARY CONSTRUCTION	10,608	6,327	5,375	10,500	11,319	27,481	10,800	18,500
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	73,400	64,272	67,884	86,331	84,884	90,561	81,100	80,700
RDT&E APPROPRIATION	2,190,966	2,240,164	2,485,028	2,590,072	2,674,350	3,042,674	3,279,000	3,776,641
SPECIAL FOREIGN CURRENCY PROGRAM	1,146	923	1,448	3,555	2,000	2,127	2,905	2,769
DEPARTMENT OF THE AIR FORCE	3,049,117	3,163,195	3,325,086	3,344,093	3,283,941	3,573,144	3,799,627	4,381,095
MILITARY CONSTRUCTION	8,020	15,135	22,187	18,018	14,895	18,430	38,000	312,200
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	202,477	201,022	206,157	210,607	216,393	241,547	245,100	243,700
RDT&E APPROPRIATION	2,838,557	2,947,038	3,098,742	3,115,468	3,052,653	3,313,167	3,516,527	3,825,195
SPECIAL FOREIGN CURRENCY PROGRAM	63	-	-	-	-	-	-	-
DEFENSE AGENCIES	484,600	458,820	500,433	457,068	464,140	497,391	573,947	659,541
MILITARY CONSTRUCTION	2,331	-	53	2,596	567	20	-	-
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	5,948	4,578	4,421	5,338	6,347	6,461	-	-
RDT&E APPROPRIATION	476,321	454,242	495,959	449,134	457,226	490,910	573,947	659,541
DEFENSE CIVIL PREPAREDNESS AGENCY	4,091	3,027	3,962	3,191	2,692	1,668	700	1,300
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	25,076	24,216	23,865	24,090	30,239
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,097,237
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,252,185	1,493,433	1,806,069	1,879,149	2,331,036	2,436,527	2,616,665	2,955,937
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	122,191	155,616	139,425	139,455	152,987
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	38,606	44,942	42,564	49,596	55,273
FOOD & DRUG ADMINISTRATION	21,805	25,643	30,384	30,428	43,954	36,609	37,954	43,665
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29,998
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	52,684	55,821	43,326	38,155	7,410
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	13,167	12,458	17,321	17,513	17,653
HEALTH SERVICES & MENTAL HEALTH ADMIN	188,412	223,520	249,800	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	108,845	75,691	69,868	63,716	64,884
NATIONAL INSTITUTES OF HEALTH	893,192	1,055,293	1,321,104	1,355,484	1,777,273	1,918,228	2,092,472	2,411,706
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	550	1,037	1,037
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	32,233
OFFICE OF CHILD DEVELOPMENT	2,000	11,152	17,200	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	99,472	132,827	130,178	58,275	51,527	45,859	58,209	31,085
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	28,768	52,993	64,340	61,874	76,789
OFFICE OF INTERNATIONAL HEALTH	-	-	-	703	2,708	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	29,755	26,229	23,704	20,000
SOCIAL & REHABILITATION SERVICE	34,935	34,065	43,760	53,514	8,876	9,648	18,580	N/A
SOCIAL SECURITY ADMINISTRATION	12,369	10,933	13,643	18,484	19,422	22,560	14,400	11,217
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	29,940	47,712	49,090	57,829	64,777	62,[illegible]28	67,575	52,104
DEPARTMENT OF THE INTERIOR, TOTAL	167,416	200,020	232,474	265,783	194,522	307,200	339,112	319,654
BONNEVILLE POWER ADMINISTRATION	2,098	2,914	3,226	3,027	2,452	6,072	7,066	N/A
BUREAU OF LAND MANAGEMENT	732	779	816	722	663	764	729	881
BUREAU OF MINES	46,457	60,300	70,888	77,507	66,107	107,627	131,300	105,344
GEOLOGICAL SURVEY	39,861	41,931	51,570	67,282	66,619	106,616	110,324	117,468
HERITAGE CONSERVATION & RECREATION SVC	92	185	35	24	20	20	20	20

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TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
NATIONAL PARK SERVICE	-	1,141	1,293	1,547	2,460	8,404	9,300	7,800
OFFICE OF COAL RESEARCH	13,493	18,750	32,367	46,385	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	153	1,425	21,322	515	1,693	1,045	4,536
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	36,914	41,355	38,262	13,346	22,834	19,465	19,011	15,987
OFFICE OF SALINE WATER	26,164	28,940	24,910	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	10,750	12,415	13,352	13,346	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	20,459	23,285	22,413	24,938	25,453	48,765	52,016	57,724
WATER AND POWER RESOURCES SERVICE	7,310	9,227	10,179	9,683	7,399	7,774	8,301	9,914
DEPARTMENT OF JUSTICE, TOTAL	8,590	10,321	23,379	33,199	34,684	44,330	33,859	27,650
DRUG ENFORCEMENT ADMINISTRATION	839	1,495	1,200	1,553	4,971	1,514	2,500	3,000
FEDERAL BUREAU OF INVESTIGATION	197	968	710	739	1,880	1,197	1,245	1,400
FEDERAL PRISON SYSTEM	200	358	469	542	523	635	761	1,145
IMMIGRATION AND NATURALIZATION SERVICE	-	-	-	-	-	59	133	298
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	7,354	7,500	21,000	30,365	27,310	40,925	29,220	21,809
DEPARTMENT OF LABOR, TOTAL	20,587	22,812	23,118	19,943	23,775	25,376	28,533	29,565
BUREAU OF LABOR STATISTICS	3,815	3,756	4,755	998	1,662	1,830	1,308	1,372
EMPLOYMENT STANDARDS ADMINISTRATION	2,216	1,501	1,609	1,335	891	3,240	4,268	4,446
EMPLOYMENT AND TRAINING ADMINISTRATION	14,266	16,503	15,807	14,607	16,107	15,476	17,545	16,755
LABOR-MANAGEMENT SERVICES ADMINISTRATION	290	547	690	892	1,232	814	731	3,306
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	326	229	893	1,399	2,028	2,900	3,441
OFFICE OF THE SECRETARY	N/A	179	228	1,218	2,484	1,988	1,781	245
POST OFFICE DEPARTMENT	38,702	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	27,616	38,996	29,183	26,611	22,892	27,890	44,499	77,576
AGENCY FOR INTERNATIONAL DEVELOPMENT	27,346	38,646	28,633	25,122	21,429	26,653	42,888	75,296
DEPARTMENTAL FUNDS	125	350	550	1,489	1,463	1,237	1,611	2,280
PEACE CORPS	145	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	333,278	507,992	336,283	348,885	383,153	324,818	308,700	377,104
COAST GUARD	18,671	23,186	38,963	44,766	26,625	16,495	12,800	19,500
FEDERAL AVIATION ADMINISTRATION	56,327	347,367	102,378	80,955	125,379	109,024	100,100	106,400
FEDERAL HIGHWAY ADMINISTRATION	32,947	27,138	20,841	23,702	41,234	45,141	29,300	55,900

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TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
FEDERAL RAILROAD ADMINISTRATION	16,388	25,331	36,634	46,890	37,357	39,387	60,500	58,500
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	19,492	26,731	49,979	54,604	53,562	34,018	31,400	47,200
OFFICE OF THE SECRETARY	169,476	15,250	23,550	23,582	29,748	31,321	25,800	28,004
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	19,979	42,989	63,938	74,386	69,248	49,432	48,800	61,600
DEPARTMENT OF THE TREASURY, TOTAL	625	819	1,266	1,013	1,139	1,689	3,842	4,880
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	1,105
BUREAU OF ENGRAVING AND PRINTING	625	819	1,266	1,013	1,139	1,689	2,782	2,500
CUSTOMS SERVICE	-	-	-	-	-	-	1,060	1,275
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ACTION	N/A	103	-	-	241	167	75	470
ADVISORY COMM ON INTERGOV'TL RELATIONS	553	544	699	858	1,135	1,238	1,026	1,526
APPALACHIAN REGIONAL COMMISSION	-	2,980	-	-	-	-	719	662
ATOMIC ENERGY COMMISSION	1,611,889	1,615,169	1,544,388	1,712,301	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	448	550	1,026	2,372	3,085	4,392	4,049	3,905
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	21,723	23,098	10,236	23,987
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	325	4,257	7,859	5,773	6,728
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,881,567	2,439,872	2,902,630	N/A
ENVIRONMENTAL PROTECTION AGENCY	90,463	137,805	123,026	205,054	170,456	259,727	265,394	297,560
FEDERAL COMMUNICATIONS COMMISSION	1,025	635	755	1,120	919	1,132	1,534	2,043
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	1,301	2,997	N/A
FEDERAL HOME LOAN BANK BOARD	390	395	492	530	664	663	782	1,665
FEDERAL TRADE COMMISSION	388	440	607	670	932	934	850	1,111
GENERAL SERVICES ADMINISTRATION	325	196	252	517	1,783	1,828	1,092	915
INTERNATIONAL COMMUNICATION AGENCY	234	120	120	113	109	84	102	104
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERSTATE COMMERCE COMMISSION	-	-	-	-	-	-	123	64
LIBRARY OF CONGRESS	1,932	2,454	2,301	2,598	2,163	2,575	2,963	3,800
NATIONAL AERONAUTICS & SPACE ADMIN	3,833,362	3,298,166	3,202,455	3,130,212	3,100,528	3,207,068	3,528,960	3,821,475
NATIONAL SCIENCE FOUNDATION	312,313	364,794	473,463	537,000	568,084	618,075	661,833	724,098
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	46,148	67,193	98,055	119,432
OFFICE OF ECONOMIC OPPORTUNITY	123,383	133,958	92,732	87,795	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	1,016	577	515	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF SCIENCE AND TECHNOLOGY	1,858	2,030	2,038	-	N/A	N/A	-	-

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TABLE 4A. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	177	1,169	616	275	4,147	4,581	-
POSTAL SERVICE	N/A	40,415	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	101	-	-	-	-	172	52	466
SMITHSONIAN INSTITUTION	18,274	15,082	21,271	24,141	25,152	25,183	26,220	29,835
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	N/A	N/A	-	12,016	11,112	3,802	-	N/A
TENNESSEE VALLEY AUTHORITY	8,191	9,853	11,628	18,833	22,905	28,753	28,887	30,205
US ARMS CONTROL & DISARMAMENT AGENCY	4,245	1,708	1,899	1,975	1,100	1,005	1,440	2,238
US INTERNATIONAL TRADE COMMISSION	-	-	-	-	-	-	1,500	2,849
VETERANS ADMINISTRATION	61,246	77,902	71,326	84,602	86,928	97,026	109,504	112,895

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	19,859,548	21,616,382	25,350,173	27,683,003	30,453,201	33,236,061	37,026,033	42,016,739
DEPARTMENT OF AGRICULTURE, TOTAL	427,879	478,591	559,871	645,947	685,660	744,457	796,859	889,155
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	1,634	2,469	2,514
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	967	1,277	1,418	1,446
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	30,490	32,700	35,500	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	21,307	23,962	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	1,156	1,205	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	1,167	1,873	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	31,051	36,585	38,968
FOREST SERVICE	81,499	82,846	92,054	108,291	111,000	115,165	125,400	135,800
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	-	5,310	5,850	6,660
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	665	767	844	1,093
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	437,327	504,956	537,528	589,253	624,293	702,674
AGRICULTURAL RESEARCH	221,603	255,308	310,062	347,532	364,971	405,048	423,396	468,486
COOPERATIVE RESEARCH	101,141	113,389	127,265	157,424	172,557	184,205	200,897	234,188
TECHNICAL INFORMATION SYSTEMS	6	8	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	224,915	235,484	251,811	287,729	311,776	347,194	337,718	297,552
BUREAU OF THE CENSUS	1,013	2,494	2,634	3,441	3,065	3,188	3,645	3,753
ECONOMIC DEVELOPMENT ADMINISTRATION	10,339	15,071	15,000	38,544	43,080	32,300	24,200	-
MARITIME ADMINISTRATION	23,902	21,179	19,700	20,600	20,461	19,936	15,766	14,310
MINORITY BUSINESS DEVELOPMENT AGENCY	4,588	2,027	3,438	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	44,573	47,940	53,905	59,095	69,317	76,429	83,592	103,049
NATIONAL FIRE PREVENTION & CONTROL ADMIN	3,598	6,432	6,576	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	135,083	139,071	147,200	163,725	171,176	203,633	198,147	165,421
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	2,900	1,808	4,060	10,694	11,197	10,400
OFFICE OF TELECOMMUNICATIONS	1,319	896	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	82	554	57	-
PATENT AND TRADEMARK OFFICE	500	374	458	516	535	460	1,114	619
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,179,602	9,798,145	11,408,951	11,786,238	12,776,425	14,189,212	17,099,691	21,800,990

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TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE ARMY	1,920,691	2,025,976	2,458,168	2,556,527	2,772,474	2,993,787	3,306,052	4,046,492
MILITARY FUNCTIONS	1,907,871	1,997,403	2,434,311	2,530,004	2,746,882	2,984,032	3,276,027	4,013,422
MILITARY CONSTRUCTION	15,645	4,400	14,700	7,600	2,600	10,700	11,400	23,200
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	86,708	86,900	88,800	88,787	100,757	110,400	136,018	137,068
RDT&E APPROPRIATION	1,805,518	1,906,103	2,330,811	2,433,617	2,643,525	2,842,932	3,128,609	3,853,154
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	12,820	28,573	23,855	26,523	25,592	29,755	30,025	33,070
DEPARTMENT OF THE NAVY	3,162,843	3,373,805	3,878,610	4,046,716	4,403,142	4,789,332	5,161,880	6,178,186
MILITARY CONSTRUCTION	27,481	10,800	18,500	7,500	18,300	19,200	24,100	28,800
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	90,561	81,100	80,700	83,742	86,621	95,900	117,875	125,476
RDT&E APPROPRIATION	3,042,674	3,279,000	3,776,641	3,953,239	4,293,285	4,666,432	5,011,613	6,020,987
SPECIAL FOREIGN CURRENCY PROGRAM	2,127	2,905	2,769	2,235	4,936	7,800	8,492	2,943
DEPARTMENT OF THE AIR FORCE	3,573,144	3,799,627	4,381,095	4,422,449	4,693,116	5,319,029	7,312,457	9,668,542
MILITARY CONSTRUCTION	18,430	38,000	312,200	57,323	98,500	46,000	52,000	60,000
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	241,547	245,100	243,700	261,687	248,193	261,000	335,474	349,203
RDT&E APPROPRIATION	3,313,167	3,516,527	3,825,195	4,103,439	4,346,423	5,012,029	6,924,983	9,259,339
SPECIAL FOREIGN CURRENCY PROGRAM	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	497,391	573,947	659,541	724,486	878,383	1,049,184	1,282,333	1,858,739
MILITARY CONSTRUCTION	20	-	-	-	6,300	-	-	500
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	6,461	-	-	-	-	-	-	-
RDT&E APPROPRIATION	490,910	573,947	659,541	724,486	872,083	1,049,184	1,282,333	1,858,239
DEFENSE CIVIL PREPAREDNESS AGENCY	1,668	700	1,300	7,500	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	23,865	24,090	30,239	28,560	29,310	37,880	38,969	49,031

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TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	166,288	139,372	137,247	95,900
DEPARTMENT OF ENERGY	N/A	N/A	4,097,237	4,935,504	5,483,177	5,777,812	6,110,993	5,547,678
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,436,527	2,616,665	2,955,937	3,281,527	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	139,425	139,455	152,987	180,160	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	42,564	49,596	55,273	60,084	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	36,609	37,954	43,665	65,049	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	29,998	19,400	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	43,326	38,155	7,410	5,491	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	17,321	17,513	17,653	18,219	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	69,868	63,716	64,884	89,541	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,918,228	2,092,472	2,411,706	2,654,220	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	550	1,037	1,037	1,316	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	32,233	36,190	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	45,859	58,209	31,085	32,915	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	64,340	61,874	76,789	75,841	N/A	N/A	N/A	N/A
OFFICE OF INTERNATIONAL HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	26,229	23,704	20,000	30,201	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	9,648	18,580	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	22,560	14,400	11,217	12,900	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	3,558,362	3,810,794	3,946,901	4,220,798
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	214,382	233,536	239,102	261,354
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	76,271	87,257	80,844	77,085
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	66,734	76,600	77,900	110,400
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	31,828	45,727	46,000	46,000
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	4,944	5,140	5,155	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	28,695	26,726	13,020	1,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	3,000,761	3,211,203	3,362,056	3,586,631
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	34,616	29,949	35,741	21,508
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	57,088	49,269	44,835	71,702
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	24,715	24,000	22,000	16,700
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	18,328	21,387	20,248	28,320
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	62,028	67,575	52,104	69,723	67,915	56,025	51,317	51,389
DEPARTMENT OF THE INTERIOR, TOTAL	307,200	339,112	319,654	373,985	410,793	418,799	428,333	398,389
BONNEVILLE POWER ADMINISTRATION	6,072	7,066	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	764	729	881	1,228	1,335	1,654	1,855	2,010

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TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
BUREAU OF MINES	107,627	131,300	105,344	121,079	121,281	114 14	112,685	107,661
GEOLOGICAL SURVEY	106,616	110,324	117,468	133,656	145,571	146,339	164,266	175,399
HERITAGE CONSERVATION & RECREATION SVC	20	20	20	-	-	-	-	-
NATIONAL PARK SERVICE	8,404	9,300	7,800	7,700	8,944	8,243	10,025	13,371
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	1,693	1,045	4,536	1,738	1,413	2,233	3,928	968
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	2,194	4,978	7,771	6,290	1,170
OFFICE OF WATER RESEARCH & TECHNOLOGY	19,465	19,011	15,967	27,984	27,964	29,958	20,173	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	48,765	52,016	57,724	67,170	87,107	94,076	94,400	88,200
WATER AND POWER RESOURCES SERVICE	7,774	8,301	9,914	11,236	12,200	14,111	14,711	9,610
DEPARTMENT OF JUSTICE, TOTAL	44,330	33,859	27,650	60,919	42,991	41,501	34,182	26,155
DRUG ENFORCEMENT ADMINISTRATION	1,514	2,500	3,000	1,900	2,400	2,700	2,400	1,800
FEDERAL BUREAU OF INVESTIGATION	1,197	1,245	1,400	1,825	3,080	1,442	297	1,106
FEDERAL PRISON SYSTEM	635	761	1,145	3,585	3,388	2,107	3,107	3,107
IMMIGRATION AND NATURALIZATION SERVICE	59	133	296	378	200	302	1,032	456
OFFICE OF THE ATTORNEY GENERAL	-	-	-	1,631	1,680	1,800	1,500	1,306
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	40,925	29,220	21,809	51,600	32,243	33,150	25,846	18,380
DEPARTMENT OF LABOR, TOTAL	25,376	28,533	29,565	97,835	136,977	138,053	107,559	37,092
BUREAU OF LABOR STATISTICS	1,830	1,308	1,372	1,238	912	925	838	879
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	4,268	4,446	3,737	5,338	4,900	5,900	4,900
EMPLOYMENT AND TRAINING ADMINISTRATION	15,476	17,545	16,755	86,599	120,837	121,745	88,754	18,897
LABOR-MANAGEMENT SERVICES ADMINISTRATION	814	731	3,306	2,761	3,183	2,819	3,055	3,055
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,028	2,900	3,441	1,300	5,107	6,300	8,000	8,300
OFFICE OF THE SECRETARY	1,988	1,781	245	2,200	1,600	1,364	1,012	1,061
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	27,890	44,499	77,576	85,398	3,168	2,206	1,887	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	26,653	42,888	75,296	82,550	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	1,237	1,611	2,280	2,848	3,168	2,206	1,887	1,827
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	324,818	308,700	377,104	422,350	392,689	384,530	415,026	421,800

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TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
COAST GUARD	16,495	12,800	19,500	24,400	21,100	18,000	25,000	30,000
FEDERAL AVIATION ADMINISTRATION	109,024	100,100	106,400	111,500	120,400	108,800	125,000	128,400
FEDERAL HIGHWAY ADMINISTRATION	45,141	29,300	55,900	52,100	53,500	58,300	56,000	58,100
FEDERAL RAILROAD ADMINISTRATION	39,387	60,500	58,500	65,700	56,100	56,400	59,500	50,400
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	34,018	31,400	47,200	66,500	56,839	63,754	67,947	72,100
OFFICE OF THE SECRETARY	31,321	25,800	28,004	31,650	11,702	10,844	10,725	10,690
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	900	15,000	14,049	14,856	16,360
URBAN MASS TRANSPORTATION ADMINISTRATION	49,432	48,800	61,600	69,600	58,048	54,383	55,998	57,750
DEPARTMENT OF THE TREASURY, TOTAL	1,689	3,842	4,880	9,901	9,581	12,073	13,254	14,005
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	1,105	1,974	2,513	1,550	300	-
BUREAU OF ENGRAVING AND PRINTING	1,689	2,782	2,500	3,700	2,088	2,300	4,500	4,700
CUSTOMS SERVICE	-	1,060	1,275	1,827	1,380	3,863	3,650	3,350
INTERNAL REVENUE SERVICE	-	-	-	2,400	3,600	4,000	4,700	5,800
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	360	104	155
OTHER AGENCIES								
ACTION	167	75	470	1,633	1,572	-	-	-
ADVISORY COMM ON INTERGOV'TL RELATIONS	1,238	1,026	1,526	1,685	1,696	2,219	1,827	2,028
APPALACHIAN REGIONAL COMMISSION	-	719	662	460	870	800	375	400
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	4,392	4,049	3,905	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	23,098	10,236	23,987	24,300	20,678	30,349	14,600	-
CONSUMER PRODUCT SAFETY COMMISSION	7,859	5,773	6,728	4,120	6,600	6,200	6,900	5,400
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,439,872	2,902,630	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	259,727	265,394	297,560	389,259	412,500	345,000	363,100	302,600
FEDERAL COMMUNICATIONS COMMISSION	1,132	1,534	2,043	2,400	2,900	3,420	2,690	1,925
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	12,582	11,841	15,102	17,896
FEDERAL ENERGY ADMINISTRATION	1,301	2,997	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	663	782	1,665	977	863	1,227	1,150	1,321
FEDERAL TRADE COMMISSION	934	850	1,111	1,358	1,521	3,021	4,168	4,375
GENERAL SERVICES ADMINISTRATION	1,828	1,092	915	2,666	493	159	373	134
INTERNATIONAL COMMUNICATION AGENCY	84	102	104	127	104	88	261	164
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	112,914	155,594	135,561	158,721
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	112,914	155,594	135,561	158,721
INTERSTATE COMMERCE COMMISSION	-	123	64	250	150	143	175	150
LIBRARY OF CONGRESS	2,575	2,963	3,800	4,900	5,900	6,900	6,200	6,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,207,088	3,528,980	3,821,475	4,037,754	4,558,508	5,243,154	5,522,688	6,122,200

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TABLE 4B. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
NATIONAL SCIENCE FOUNDATION	618,075	661,833	724,098	788,475	838,125	900,492	951,804	1,019,700
NUCLEAR REGULATORY COMMISSION	67,193	98,055	119,432	140,823	157,384	190,368	216,150	231,940
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	4,474	5,988	6,788	8,482	4,991
OFFICE OF SCIENCE AND TECHNOLOGY	N/A	-	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	4,147	4,581	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	172	52	466	-	-	-	-	-
SMITHSONIAN INSTITUTION	25,183	26,220	29,835	35,101	37,858	41,923	45,914	51,419
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	3,802	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	28,753	28,887	30,205	53,377	89,177	80,700	91,400	96,400
US ARMS CONTROL & DISARMAMENT AGENCY	1,005	1,440	2,238	3,646	3,540	3,795	1,500	2,150
US INTERNATIONAL TRADE COMMISSION	-	1,500	2,649	3,119	3,417	2,068	2,984	3,928
VETERANS ADMINISTRATION	97,028	109,504	112,895	118,087	132,059	137,784	151,664	179,571

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	15,338,937	15,542,512	16,495,895	16,800,153	17,410,128	19,038,818	20,779,658	23,982,973
DEPARTMENT OF AGRICULTURE, TOTAL	281,157	304,902	349,573	366,522	378,706	420,082	462,449	546,963
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30,490
ECONOMIC RESEARCH SERVICE	14,904	15,534	16,003	16,937	18,140	21,307	23,962	N/A
FARMER COOPERATIVE SERVICE	884	1,017	1,066	1,185	1,350	1,156	1,205	N/A
STATISTICAL REPORTING SERVICE	685	710	741	738	612	1,167	1,873	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	42,789	46,032	55,153	58,442	65,496	78,181	79,901	90,262
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	426,211
AGRICULTURAL RESEARCH	160,635	173,456	193,798	199,539	203,544	217,124	242,111	298,946
COOPERATIVE RESEARCH	61,052	67,762	82,584	89,406	89,421	101,141	113,389	127,265
TECHNICAL INFORMATION SYSTEMS	208	391	228	275	143	6	8	-
DEPARTMENT OF COMMERCE, TOTAL	121,571	143,711	187,259	190,600	180,585	215,382	228,853	244,721
BUREAU OF THE CENSUS	3,038	4,113	3,900	1,006	1,026	1,013	2,494	2,634
ECONOMIC DEVELOPMENT ADMINISTRATION	8,762	4,630	6,578	6,345	4,089	10,339	15,071	15,000
MARITIME ADMINISTRATION	12,551	20,726	22,194	23,786	23,080	22,852	19,021	14,800
MINORITY BUSINESS DEVELOPMENT AGENCY	3,505	-	505	2,096	956	4,588	2,027	3,438
NATIONAL BUREAU OF STANDARDS	29,565	32,569	34,740	36,840	40,210	43,156	47,444	53,223
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	3,598	6,432	6,578
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	63,753	78,989	115,157	115,614	109,090	128,017	135,094	145,692
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,900
OFFICE OF TELECOMMUNICATIONS	-	2,107	3,563	3,487	1,640	1,319	896	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE	397	577	622	624	494	500	374	458
UNITED STATES TRAVEL SERVICE	-	-	-	802	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	7,360,368	7,509,036	8,318,145	8,404,214	8,420,386	9,012,472	9,654,722	10,963,351

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TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE ARMY	1,659,818	1,682,350	2,064,179	2,013,569	2,009,862	1,896,742	2,013,653	2,441,866
MILITARY FUNCTIONS	1,650,307	1,673,787	2,053,155	2,003,465	1,998,462	1,885,242	1,988,003	2,418,011
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	79,352	65,276	77,913	84,656	88,149	86,708	86,900	88,800
RDT&E APPROPRIATION	1,570,955	1,608,511	1,975,242	1,918,809	1,910,313	1,798,534	1,901,103	2,329,211
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	9,511	8,563	11,024	10,104	11,400	11,500	25,650	23,855
DEPARTMENT OF THE NAVY	2,257,908	2,283,674	2,519,364	2,654,754	2,718,520	3,100,165	3,328,005	3,817,410
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	73,400	64,272	67,884	86,331	84,884	90,561	81,100	80,700
RDT&E APPROPRIATION	2,183,362	2,218,479	2,450,032	2,564,868	2,631,636	3,007,477	3,244,000	3,733,941
SPECIAL FOREIGN CURRENCY PROGRAM	1,146	923	1,448	3,555	2,000	2,127	2,905	2,769
DEPARTMENT OF THE AIR FORCE	2,989,957	3,113,500	3,254,278	3,273,543	3,216,215	3,513,495	3,726,627	4,031,095
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	202,477	201,022	206,157	210,607	216,393	241,547	245,100	243,700
RDT&E APPROPRIATION	2,787,417	2,912,478	3,048,121	3,062,936	2,999,822	3,271,948	3,481,527	3,787,395
SPECIAL FOREIGN CURRENCY PROGRAM	63	-	-	-	-	-	-	-
DEFENSE AGENCIES	448,594	426,485	476,362	434,081	448,881	476,537	561,647	641,441
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	5,948	4,578	4,421	5,338	6,347	6,461	-	-
RDT&E APPROPRIATION	442,646	421,907	471,941	428,743	442,534	470,076	561,647	641,441
DEFENSE CIVIL PREPAREDNESS AGENCY	4,091	3,027	3,962	3,191	2,692	1,668	700	1,300
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	25,076	24,216	23,865	24,090	30,239
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,536,220

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TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,220,975	1,476,071	1,751,112	1,837,578	2,290,114	2,397,458	2,583,583	2,823,297
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	N/A	N/A	N/A	122,191	155,616	139,425	139,455	152,987
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	38,566	44,942	42,564	49,596	55,273
FOOD & DRUG ADMINISTRATION	21,805	25,643	30,384	30,183	43,521	35,896	37,077	42,872
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29,998
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	52,684	55,821	43,326	38,155	7,410
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	13,167	12,458	17,321	17,513	17,653
HEALTH SERVICES & MENTAL HEALTH ADMIN ...	188,412	222,902	244,757	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	106,845	75,691	69,868	63,716	64,884
NATIONAL INSTITUTES OF HEALTH	873,273	1,039,000	1,271,300	1,314,198	1,736,784	1,879,872	2,080,247	2,279,859
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	550	1,037	1,037
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	32,233
OFFICE OF CHILD DEVELOPMENT	2,000	11,152	17,200	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	88,181	132,376	130,068	58,275	51,527	45,859	58,209	31,085
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	28,768	52,993	64,340	61,874	76,789
OFFICE OF INTERNATIONAL HEALTH	-	-	-	703	2,708	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	29,755	26,229	23,704	20,000
SOCIAL & REHABILITATION SERVICE	34,935	34,065	43,760	53,514	8,876	9,648	18,580	N/A
SOCIAL SECURITY ADMINISTRATION	12,369	10,933	13,643	18,484	19,422	22,560	14,400	11,217
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT .	29,940	47,712	49,090	57,829	64,777	62,028	67,575	52,104
DEPARTMENT OF THE INTERIOR, TOTAL	156,806	191,516	218,722	243,746	192,427	303,329	333,198	314,682
BONNEVILLE POWER ADMINISTRATION	1,793	1,928	2,471	2,808	2,402	6,018	7,010	N/A
BUREAU OF LAND MANAGEMENT	732	779	816	722	663	764	729	881
BUREAU OF MINES	46,457	60,300	70,888	77,507	66,107	107,627	131,300	101,914
GEOLOGICAL SURVEY	39,861	41,931	51,535	66,598	66,234	106,616	110,324	117,468
HERITAGE CONSERVATION & RECREATION SVC ..	92	185	35	24	20	20	20	20
NATIONAL PARK SERVICE	-	1,141	1,293	1,547	2,460	8,377	9,272	7,798
OFFICE OF COAL RESEARCH	5,671	16,395	20,267	26,505	N/A	N/A	N/A	N/A

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TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF THE SECRETARY	-	153	1,425	21,263	515	1,693	1,045	4,536
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	34,882	36,431	37,960	13,346	22,334	19,465	19,011	15,062
OFFICE OF SALINE WATER	24,132	24,016	24,608	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	10,750	12,415	13,352	13,346	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	20,008	23,046	21,853	23,745	24,293	44,975	46,186	57,089
WATER AND POWER RESOURCES SERVICE	7,310	9,227	10,179	9,683	7,399	7,774	8,301	9,914
DEPARTMENT OF JUSTICE, TOTAL	8,590	10,321	23,379	33,199	34,684	44,330	33,859	27,650
DRUG ENFORCEMENT ADMINISTRATION	839	1,495	1,200	1,553	4,971	1,514	2,500	3,000
FEDERAL BUREAU OF INVESTIGATION	197	968	710	739	1,880	1,197	1,245	1,400
FEDERAL PRISON SYSTEM	200	358	469	542	523	635	761	1,145
IMMIGRATION AND NATURALIZATION SERVICE	-	-	-	-	-	59	133	298
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	7,354	7,500	21,000	30,365	27,310	40,925	29,220	21,809
DEPARTMENT OF LABOR, TOTAL	20,587	22,812	23,118	19,943	23,775	25,376	28,533	29,565
BUREAU OF LABOR STATISTICS	3,815	3,756	4,755	998	1,662	1,830	1,308	1,372
EMPLOYMENT STANDARDS ADMINISTRATION	2,216	1,501	1,609	1,335	891	3,240	4,268	4,446
EMPLOYMENT AND TRAINING ADMINISTRATION	14,266	16,503	15,607	14,607	16,107	15,476	17,545	16,755
LABOR-MANAGEMENT SERVICES ADMINISTRATION	290	547	690	892	1,232	814	731	3,306
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	326	229	893	1,399	2,028	2,900	3,441
OFFICE OF THE SECRETARY	N/A	179	228	1,218	2,484	1,988	1,781	245
POST OFFICE DEPARTMENT	38,680	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	27,558	30,053	26,587	26,201	22,524	27,890	39,374	61,406
AGENCY FOR INTERNATIONAL DEVELOPMENT	27,288	29,703	26,037	24,712	21,061	26,650	37,763	59,126
DEPARTMENTAL FUNDS	125	350	550	1,489	1,463	1,237	1,611	2,280
PEACE CORPS	145	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	327,808	497,204	310,505	310,640	369,789	311,563	294,500	354,604
COAST GUARD	18,389	21,587	30,345	27,675	21,568	15,882	12,400	18,900
FEDERAL AVIATION ADMINISTRATION	56,087	346,267	100,878	79,455	125,013	105,578	98,100	103,400
FEDERAL HIGHWAY ADMINISTRATION	32,845	26,758	20,668	23,551	40,834	44,701	28,900	55,500
FEDERAL RAILROAD ADMINISTRATION	11,540	21,611	26,313	35,540	33,496	32,401	50,400	41,900
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	19,492	26,731	49,979	54,604	53,562	34,018	31,400	47,000

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TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF THE SECRETARY	169,476	15,250	23,550	23,582	29,748	31,321	25,800	28,004
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	19,979	39,000	58,772	66,233	65,568	47,662	47,500	59,900
DEPARTMENT OF THE TREASURY, TOTAL	610	801	1,251	1,000	1,125	1,665	3,735	4,805
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	1,105
BUREAU OF ENGRAVING AND PRINTING	610	801	1,251	1,000	1,125	1,665	2,782	2,500
CUSTOMS SERVICE	-	-	-	-	-	-	953	1,200
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ACTION	N/A	103	-	-	241	167	75	470
ADVISORY COMM ON INTERGOV'TL RELATIONS	553	544	699	858	1,135	1,238	1,026	1,526
APPALACHIAN REGIONAL COMMISSION	-	2,980	-	-	-	-	719	662
ATOMIC ENERGY COMMISSION	1,345,989	1,302,926	1,297,668	1,363,196	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	448	550	1,026	2,372	3,085	4,392	4,049	3,905
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	21,723	23,098	10,236	23,987
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	325	4,257	5,994	5,584	6,728
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,438,903	2,047,306	2,463,809	N/A
ENVIRONMENTAL PROTECTION AGENCY	98,506	136,718	122,350	180,592	169,213	257,657	259,138	295,450
FEDERAL COMMUNICATIONS COMMISSION	1,015	616	721	1,120	919	1,132	1,534	2,043
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	1,301	2,997	N/A
FEDERAL HOME LOAN BANK BOARD	390	395	492	530	664	663	782	1,665
FEDERAL TRADE COMMISSION	388	440	607	670	932	934	850	1,111
GENERAL SERVICES ADMINISTRATION	325	196	252	517	1,783	1,828	1,092	915
INTERNATIONAL COMMUNICATION AGENCY	234	120	120	113	109	84	102	104
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERSTATE COMMERCE COMMISSION	-	-	-	-	-	-	123	64
LIBRARY OF CONGRESS	1,932	2,454	2,301	2,598	2,163	2,575	2,963	3,800
NATIONAL AERONAUTICS & SPACE ADMIN	3,799,946	3,257,927	3,157,237	3,060,887	3,002,172	3,084,413	3,446,830	3,703,385
NATIONAL SCIENCE FOUNDATION	288,978	336,942	454,840	479,893	556,413	595,021	609,256	697,019
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	42,338	64,155	88,432	112,291
OFFICE OF ECONOMIC OPPORTUNITY	123,383	133,958	92,732	87,795	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	1,016	577	515	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF SCIENCE AND TECHNOLOGY	1,858	2,030	2,038	-	N/A	N/A	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	177	1,169	616	275	4,147	4,581	-
POSTAL SERVICE	N/A	39,745	-	-	-	-	-	-

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TABLE 5A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
SMALL BUSINESS ADMINISTRATION	101	-	-	-	-	172	52	466
SMITHSONIAN INSTITUTION	18,217	15,082	21,271	24,041	24,713	24,785	25,735	29,651
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	N/A	N/A	-	12,016	11,112	3,802	-	N/A
TENNESSEE VALLEY AUTHORITY	8,151	9,284	10,130	14,296	13,181	16,567	18,713	26,475
US ARMS CONTROL & DISARMAMENT AGENCY	4,245	1,708	1,899	1,975	1,100	1,005	1,440	2,238
US INTERNATIONAL TRADE COMMISSION	-	-	-	-	-	-	1,500	2,649
VETERANS ADMINISTRATION	58,612	62,901	69,087	74,271	84,805	94,807	97,679	107,001

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	19,038,818	20,779,658	23,982,973	26,387,291	28,977,746	31,680,398	35,360,469	40,601,999
DEPARTMENT OF AGRICULTURE, TOTAL	420,082	462,449	546,963	621,282	663,025	687,586	770,295	860,039
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	1,634	2,469	2,514
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	967	1,277	1,418	1,446
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	30,490	32,700	35,500	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	21,307	23,962	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	1,156	1,205	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	1,167	1,873	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	31,051	36,585	38,968
FOREST SERVICE	78,181	79,901	90,262	105,617	107,500	111,531	122,200	134,300
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	-	5,310	5,850	6,660
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	665	767	844	1,093
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	426,211	482,965	518,393	536,016	600,929	675,058
AGRICULTURAL RESEARCH	217,124	242,111	298,946	325,541	345,836	351,811	400,032	440,870
COOPERATIVE RESEARCH	101,141	113,389	127,265	157,424	172,557	184,205	200,897	234,188
TECHNICAL INFORMATION SYSTEMS	6	3	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	215,382	228,853	244,721	283,665	309,359	342,549	336,809	287,990
BUREAU OF THE CENSUS	1,013	2,494	2,634	3,441	3,065	3,188	3,645	3,753
ECONOMIC DEVELOPMENT ADMINISTRATION	10,339	15,071	15,000	38,544	43,080	32,300	24,200	-
MARITIME ADMINISTRATION	22,852	19,021	14,800	19,600	19,561	19,436	15,766	14,310
MINORITY BUSINESS DEVELOPMENT AGENCY	4,588	2,027	3,438	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	43,156	47,444	53,223	58,306	67,800	76,167	82,983	93,487
NATIONAL FIRE PREVENTION & CONTROL ADMIN	3,598	6,432	6,576	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	128,017	135,094	145,692	161,450	171,176	199,750	197,847	165,421
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	2,900	1,808	4,060	10,694	11,197	10,400
OFFICE OF TELECOMMUNICATIONS	1,319	896	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	82	554	57	-
PATENT AND TRADEMARK OFFICE	500	374	458	516	535	460	1,114	619
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,012,472	9,654,722	10,963,351	11,553,638	12,506,225	13,981,012	16,864,091	21,523,190

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TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE ARMY	1,896,742	2,013,653	2,441,866	2,548,927	2,768,674	2,979,987	3,290,952	4,020,292
MILITARY FUNCTIONS	1,885,242	1,988,003	2,418,011	2,522,404	2,743,082	2,950,232	3,260,927	3,987,222
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	86,708	86,900	88,800	88,787	100,757	110,400	136,018	137,068
RDT&E APPROPRIATION	1,798,534	1,901,103	2,329,211	2,433,617	2,642,325	2,839,832	3,124,909	3,850,154
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	11,500	25,650	23,855	26,523	25,592	29,755	30,025	33,070
DEPARTMENT OF THE NAVY	3,100,165	3,328,005	3,817,410	3,998,416	4,335,042	4,706,132	5,061,780	6,057,586
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	90,561	81,100	80,700	83,742	86,621	95,900	117,675	125,476
RDT&E APPROPRIATION	3,007,477	3,244,000	3,733,941	3,912,439	4,243,485	4,602,432	4,935,613	5,929,167
SPECIAL FOREIGN CURRENCY PROGRAM	2,127	2,905	2,769	2,235	4,936	7,800	8,492	2,943
DEPARTMENT OF THE AIR FORCE	3,513,495	3,726,627	4,031,095	4,262,349	4,525,616	5,211,029	7,195,957	9,542,442
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	241,547	245,100	243,700	261,687	248,193	261,000	335,474	349,203
RDT&E APPROPRIATION	3,271,948	3,481,527	3,787,395	4,000,662	4,277,423	4,950,029	6,860,483	9,193,239
SPECIAL FOREIGN CURRENCY PROGRAM	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	476,537	561,647	641,441	707,886	847,583	1,045,984	1,278,433	1,853,839
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	6,461	-	-	-	-	-	-	-
RDT&E APPROPRIATION	470,076	561,647	641,441	707,886	847,583	1,045,984	1,278,433	1,853,839
DEFENSE CIVIL PREPAREDNESS AGENCY	1,668	700	1,300	7,500	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	23,865	24,090	30,239	28,560	29,310	37,880	36,969	49,031
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	166,288	139,372	137,247	95,900
DEPARTMENT OF ENERGY	N/A	N/A	3,536,220	4,244,827	4,638,766	4,753,688	4,926,728	4,690,233

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TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,397,458	2,583,563	2,823,297	3,207,254	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	139,425	139,455	152,987	180,160	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	42,564	49,596	55,273	60,084	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	35,896	37,077	42,872	64,134	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	29,998	19,400	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	43,326	38,155	7,410	5,491	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	17,321	17,513	17,653	18,219	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN ...	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	69,868	63,716	64,884	89,541	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,879,872	2,060,247	2,279,859	2,580,862	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	550	1,037	1,037	1,316	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	32,233	36,190	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	45,859	58,209	31,085	32,915	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	64,340	61,874	76,789	75,841	N/A	N/A	N/A	N/A
OFFICE OF INTERNATIONAL HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	26,229	23,704	20,000	30,201	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	9,648	18,580	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	22,560	14,400	11,217	12,900	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	3,504,880	3,780,221	3,904,765	4,168,588
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	N/A	N/A	N/A	N/A	214,283	233,536	233,677	259,954
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	76,271	87,257	80,844	77,085
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	60,979	75,400	74,900	75,400
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	31,828	45,727	46,000	46,000
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	4,944	5,140	5,155	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	28,695	26,726	13,020	1,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,953,133	3,181,830	3,328,345	3,570,821
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	34,616	29,949	35,741	21,508
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	57,088	49,269	44,835	71,702
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	24,715	24,000	22,000	16,700
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	18,328	21,387	20,248	28,320
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT .	62,028	67,575	52,104	69,723	67,915	56,025	51,317	51,389
DEPARTMENT OF THE INTERIOR, TOTAL	303,329	333,198	314,682	358,974	405,778	411,258	422,933	397,789
BONNEVILLE POWER ADMINISTRATION	6,018	7,010	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	764	729	881	1,228	1,335	1,654	1,855	2,010
BUREAU OF MINES	107,627	131,300	101,914	113,968	121,004	113,373	110,685	107,661
GEOLOGICAL SURVEY	106,616	110,324	117,468	133,656	145,571	146,339	164,266	175,399
HERITAGE CONSERVATION & RECREATION SVC ..	20	20	20	-	-	-	-	-
NATIONAL PARK SERVICE	8,377	9,272	7,788	7,700	8,944	8,243	10,025	13,371

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TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	1,693	1,045	4,536	1,738	1,413	2,233	3,928	968
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	2,194	4,978	7,471	6,290	1,170
OFFICE OF WATER RESEARCH & TECHNOLOGY	19,465	19,011	15,082	27,384	27,238	29,258	19,073	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	44,975	46,186	57,089	59,870	83,095	88,576	92,100	87,600
WATER AND POWER RESOURCES SERVICE	7,774	8,301	9,914	11,236	12,200	14,111	14,711	9,610
DEPARTMENT OF JUSTICE, TOTAL	44,330	33,859	27,650	60,919	42,991	41,501	34,182	26,155
DRUG ENFORCEMENT ADMINISTRATION	1,514	2,500	3,000	1,900	2,400	2,700	2,400	1,800
FEDERAL BUREAU OF INVESTIGATION	1,197	1,245	1,400	1,825	3,080	1,442	297	1,106
FEDERAL PRISON SYSTEM	635	761	1,145	3,585	3,388	2,107	3,107	3,107
IMMIGRATION AND NATURALIZATION SERVICE	59	133	296	378	200	302	1,032	456
OFFICE OF THE ATTORNEY GENERAL	-	-	-	1,631	1,680	1,800	1,500	1,306
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	40,925	29,220	21,809	51,600	32,243	33,150	25,846	18,380
DEPARTMENT OF LABOR, TOTAL	25,376	28,533	29,565	97,835	136,977	138,053	107,559	37,092
BUREAU OF LABOR STATISTICS	1,830	1,308	1,372	1,238	912	925	838	879
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	4,268	4,446	3,737	5,338	4,900	5,200	4,900
EMPLOYMENT AND TRAINING ADMINISTRATION	15,476	17,545	16,755	86,599	120,837	121,745	88,754	18,897
LABOR-MANAGEMENT SERVICES ADMINISTRATION	814	731	3,306	2,761	3,183	2,819	3,055	3,055
OCCUPATIONAL SAFETY & HEALTH ADMIN	2,028	2,900	3,441	1,300	5,107	6,300	8,000	8,300
OFFICE OF THE SECRETARY	1,988	1,781	245	2,200	1,600	1,364	1,012	1,061
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	27,890	39,374	61,406	85,208	3,168	2,206	1,887	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	26,653	37,763	59,126	82,360	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	1,237	1,611	2,280	2,848	3,168	2,206	1,887	1,827
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	311,563	294,500	354,604	408,250	370,089	361,230	399,426	404,000
COAST GUARD	15,882	12,400	18,900	23,700	21,100	18,000	25,000	30,000
FEDERAL AVIATION ADMINISTRATION	105,578	98,100	103,400	110,500	110,500	103,100	120,100	120,900
FEDERAL HIGHWAY ADMINISTRATION	44,701	28,900	55,500	51,700	52,900	51,100	55,800	55,800

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TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FEDERAL RAILROAD ADMINISTRATION	32,401	50,400	41,900	53,900	44,200	46,200	49,500	41,000
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	34,018	31,400	47,000	66,300	56,639	63,554	67,447	71,500
OFFICE OF THE SECRETARY	31,321	25,800	28,004	31,650	11,702	10,844	10,725	10,690
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	900	15,000	14,049	14,856	16,360
URBAN MASS TRANSPORTATION ADMINISTRATION	47,662	47,500	59,900	69,600	58,048	54,383	55,998	57,750
DEPARTMENT OF THE TREASURY, TOTAL	1,665	3,735	4,805	9,878	9,541	12,033	13,204	13,955
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	1,105	1,974	2,513	1,550	300	-
BUREAU OF ENGRAVING AND PRINTING	1,665	2,782	2,500	3,700	2,088	2,[illegible]00	4,500	4,700
CUSTOMS SERVICE	-	953	1,200	1,804	1,340	3,823	3,600	3,300
INTERNAL REVENUE SERVICE	-	-	-	2,400	3,600	4,000	4,700	5,800
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	360	104	155
OTHER AGENCIES								
ACTION	167	75	470	1,633	1,572	-	-	-
ADVISORY COMM ON INTERGOV'TL RELATIONS	1,238	1,026	1,526	1,685	1,696	2,219	1,827	2,028
APPALACHIAN REGIONAL COMMISSION	-	719	662	460	870	800	375	400
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	4,392	4,049	3,905	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	23,098	10,236	23,987	24,300	20,678	30,349	14,600	-
CONSUMER PRODUCT SAFETY COMMISSION	5,994	5,584	6,728	3,817	3,900	3,500	4,200	3,300
ENERGY RESEARCH & DEVELOPMENT ADMIN	2,047,306	2,463,809	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	257,657	259,138	295,450	384,636	410,100	345,000	363,100	302,600
FEDERAL COMMUNICATIONS COMMISSION	1,132	1,534	2,043	2,400	2,900	3,420	2,690	1,925
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	12,582	11,841	15,102	17,896
FEDERAL ENERGY ADMINISTRATION	1,301	2,997	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	663	782	1,665	977	863	1,227	1,150	1,321
FEDERAL TRADE COMMISSION	934	850	1,111	1,356	1,521	3,021	4,166	4,375
GENERAL SERVICES ADMINISTRATION	1,828	1,092	915	2,666	493	159	373	134
INTERNATIONAL COMMUNICATION AGENCY	84	102	104	127	104	88	261	164
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	106,472	149,322	127,888	151,163
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	106,472	149,322	127,888	151,163
INTERSTATE COMMERCE COMMISSION	-	123	64	250	150	143	175	150
LIBRARY OF CONGRESS	2,575	2,963	3,800	4,900	5,900	6,900	6,200	6,600
NATIONAL AERONAUTICS & SPACE ADMIN	3,064,413	3,446,830	3,703,385	3,875,414	4,411,008	5,084,054	5,407,688	6,017,400
NATIONAL SCIENCE FOUNDATION	595,021	609,256	697,019	748,775	807,925	881,792	937,404	999,900
NUCLEAR REGULATORY COMMISSION	64,155	88,432	112,291	133,891	148,772	182,672	207,673	224,540
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	4,474	5,988	6,788	8,482	4,991

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TABLE 5B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
OFFICE OF SCIENCE AND TECHNOLOGY	N/A	-	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	4,147	4,581	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	172	52	466	-	-	-	-	-
SMITHSONIAN INSTITUTION	24,785	25,735	29,651	34,896	36,901	41,006	45,188	50,489
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	3,802	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	16,567	18,713	28,475	31,467	38,388	80,100	91,100	95,500
US ARMS CONTROL & DISARMAMENT AGENCY	1,005	1,440	2,238	3,646	3,540	3,795	1,500	2,150
US INTERNATIONAL TRADE COMMISSION	-	1,500	2,649	3,119	3,417	2,068	2,984	3,926
VETERANS ADMINISTRATION	94,807	97,679	107,001	113,991	127,004	133,400	145,900	152,900

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 6A. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	524,448	611,244	602,056	774,333	766,329	820,730	836,724	1,387,200
DEPARTMENT OF AGRICULTURE, TOTAL	5,250	5,104	7,803	2,879	8,834	7,797	16,142	12,908
DEPARTMENTS								
FOREST SERVICE	930	1,032	3,558	1,190	4,124	3,318	2,945	1,792
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,116
AGRICULTURAL RESEARCH	3,320	4,072	4,245	1,689	4,710	4,479	13,197	11,116
COOPERATIVE RESEARCH	1,000	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	3,883	9,175	7,425	7,854	11,574	9,533	6,631	7,090
MARITIME ADMINISTRATION	-	3,600	670	2,089	2,791	1,050	2,158	4,900
NATIONAL BUREAU OF STANDARDS	1,204	1,210	1,817	2,098	859	1,417	496	682
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	2,679	4,365	4,938	3,667	7,924	7,066	3,977	1,508
DEPARTMENT OF DEFENSE, TOTAL	140,581	153,670	174,722	146,357	169,130	167,130	143,[illegible]23	445,600
DEPARTMENT OF THE ARMY	27,203	43,628	39,472	17,116	32,112	23,949	[illegible],323	16,300
MILITARY FUNCTIONS	26,829	43,348	39,426	17,116	32,112	22,629	9,400	16,300
MILITARY CONSTRUCTION	21,478	34,355	29,023	7,854	23,662	15,645	4,400	14,700
RDT&E APPROPRIATION	5,351	8,992	10,403	9,262	8,450	6,984	5,000	1,600
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	374	280	46	-	-	1,320	2,923	-
DEPARTMENT OF THE NAVY	18,212	28,012	40,371	35,704	54,033	62,678	45,800	61,200
MILITARY CONSTRUCTION	10,608	6,327	5,375	10,500	11,319	27,481	10,800	18,500
RDT&E APPROPRIATION	7,604	21,685	34,996	25,204	42,714	35,197	35,000	42,700
DEPARTMENT OF THE AIR FORCE	59,160	49,695	70,808	70,550	67,726	59,649	73,000	350,000

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TABLE 6A. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
MILITARY CONSTRUCTION	8,020	15,135	22,187	18,018	14,895	18,430	38,000	312,200
RDT&E APPROPRIATION	51,140	34,560	48,621	52,532	52,831	41,219	35,000	37,800
DEFENSE AGENCIES	36,006	32,335	24,071	22,987	15,259	20,854	12,300	18,100
MILITARY CONSTRUCTION	2,331	-	53	2,566	567	20	-	-
RDT&E APPROPRIATION	33,675	32,335	24,018	20,391	14,692	20,834	12,300	18,100
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	561,017
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	31,210	17,362	54,957	41,571	40,922	39,069	33,102	132,640
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	40	-	-	-	-
FOOD & DRUG ADMINISTRATION	-	-	-	245	433	713	877	793
HEALTH SERVICES & MENTAL HEALTH ADMIN	-	618	5,043	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	19,919	16,293	49,804	41,286	40,489	38,356	32,225	131,847
OFFICE OF EDUCATION	11,291	451	110	-	-	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	10,610	8,504	13,752	22,037	2,095	3,871	5,914	4,972
BONNEVILLE POWER ADMINISTRATION	305	986	755	219	50	54	58	N/A
BUREAU OF MINES	-	-	-	-	-	-	-	3,430
GEOLOGICAL SURVEY	-	-	35	688	385	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	-	27	28	2
OFFICE OF COAL RESEARCH	7,822	2,355	12,100	19,880	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	59	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	2,032	4,924	302	-	500	-	-	905
OFFICE OF SALINE WATER	2,032	4,924	302	-	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	451	239	560	1,193	1,160	3,790	5,830	635
POST OFFICE DEPARTMENT	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 6A. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF STATE, TOTAL	58	8,943	2,596	410	368	-	5,125	16,170
AGENCY FOR INTERNATIONAL DEVELOPMENT	58	8,943	2,596	410	368	-	5,125	16,170
DEPARTMENT OF TRANSPORTATION, TOTAL	5,470	10,788	25,778	38,245	13,364	13,255	14,200	22,500
COAST GUARD	282	1,599	8,618	17,091	5,057	613	400	600
FEDERAL AVIATION ADMINISTRATION	240	1,100	1,500	1,500	366	3,446	2,000	3,000
FEDERAL HIGHWAY ADMINISTRATION	102	380	173	151	400	440	400	400
FEDERAL RAILROAD ADMINISTRATION	4,846	3,720	10,321	11,350	3,861	6,986	10,100	16,600
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	200
URBAN MASS TRANSPORTATION ADMINISTRATION	-	3,989	5,166	8,153	3,680	1,770	1,300	1,700
DEPARTMENT OF THE TREASURY, TOTAL	15	18	15	13	14	24	107	75
BUREAU OF ENGRAVING AND PRINTING	15	18	15	13	14	24	-	-
CUSTOMS SERVICE	-	-	-	-	-	-	107	75
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	265,900	312,243	246,720	349,105	N/A	N/A	N/A	N/A
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	-	-	1,865	189	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	392,664	392,566	438,821	N/A
ENVIRONMENTAL PROTECTION AGENCY	1,957	1,087	676	24,462	1,243	2,070	6,256	2,110
FEDERAL COMMUNICATIONS COMMISSION	10	19	34	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	33,416	40,239	45,218	69,325	98,356	142,655	82,130	118,090
NATIONAL SCIENCE FOUNDATION	23,335	27,852	18,623	57,107	11,671	23,054	52,577	27,079
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	3,810	3,038	9,623	7,141
POSTAL SERVICE	N/A	670	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	57	-	-	100	439	398	485	184
TENNESSEE VALLEY AUTHORITY	40	569	1,498	4,537	9,724	12,186	10,174	3,730
VETERANS ADMINISTRATION	2,634	15,001	2,239	10,331	2,121	2,219	11,825	5,894

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 6B. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	820,730	836,724	1,367,200	1,295,712	1,475,455	1,555,663	1,665,564	1,414,740
DEPARTMENT OF AGRICULTURE, TOTAL	7,797	16,142	12,908	24,665	22,635	56,871	26,564	29,116
DEPARTMENTS								
FOREST SERVICE	3,318	2,945	1,792	2,674	3,500	3,634	3,200	1,500
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	11,116	21,991	19,135	53,237	23,364	27,616
AGRICULTURAL RESEARCH	4,479	13,197	11,116	21,991	19,135	53,237	23,364	27,616
COOPERATIVE RESEARCH	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	9,533	6,631	7,090	4,064	2,417	4,645	909	9,562
MARITIME ADMINISTRATION	1,050	2,158	4,900	1,000	900	500	-	-
NATIONAL BUREAU OF STANDARDS	1,417	496	682	789	1,517	262	609	9,562
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	7,066	3,977	1,508	2,275	-	3,883	300	-
DEPARTMENT OF DEFENSE, TOTAL	167,130	143,423	445,600	232,600	270,200	208,200	235,600	277,800
DEPARTMENT OF THE ARMY	23,949	12,323	16,300	7,600	3,800	13,800	15,100	26,200
MILITARY FUNCTIONS	22,629	9,400	16,300	7,600	3,800	13,800	15,100	26,200
MILITARY CONSTRUCTION	15,645	4,400	14,700	7,600	2,600	10,700	11,400	23,200
RDT&E APPROPRIATION	6,984	5,000	1,600	-	1,200	3,100	3,700	3,000
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	1,320	2,923	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	62,678	45,800	61,200	48,300	68,100	83,200	100,100	120,600
MILITARY CONSTRUCTION	27,481	10,800	18,500	7,500	18,300	19,200	24,100	28,800
RDT&E APPROPRIATION	35,197	35,000	42,700	40,800	49,800	64,000	76,000	91,800
DEPARTMENT OF THE AIR FORCE	59,649	73,000	350,000	160,100	167,500	108,000	116,500	126,100

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TABLE 6B. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MILITARY CONSTRUCTION	18,430	38,000	312,200	57,323	98,500	46,000	52,000	60,000
RDT&E APPROPRIATION	41,219	35,000	37,800	102,777	69,000	62,000	64,500	66,100
DEFENSE AGENCIES	20,854	12,300	18,100	16,600	30,800	3,200	3,900	4,900
MILITARY CONSTRUCTION	20	-	-	-	6,300	-	-	500
RDT&E APPROPRIATION	20,834	12,300	18,100	16,600	24,500	3,200	3,900	4,400
DEPARTMENT OF ENERGY	N/A	N/A	561,017	690,677	844,411	1,024,124	1,184,265	857,443
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	39,069	33,102	132,640	74,273	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	-	-	-	-	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	713	877	793	915	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	38,356	32,225	131,847	73,358	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	53,482	30,573	42,136	52,210
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	99	-	5,425	1,400
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	5,755	1,200	3,000	35,000
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	47,628	29,373	33,711	15,810
DEPARTMENT OF THE INTERIOR, TOTAL	3,871	5,914	4,972	15,011	5,015	7,541	5,400	600
BONNEVILLE POWER ADMINISTRATION	54	56	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF MINES	-	-	3,430	7,111	277	1,041	2,000	-
GEOLOGICAL SURVEY	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	27	28	2	-	-	-	-	-
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	-	-	300	-	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	-	-	905	600	726	700	1,100	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 6B. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
UNITED STATES FISH AND WILDLIFE SERVICE	3,790	5,830	635	7,300	4,012	5,500	2,300	600
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	-	5,125	16,170	190	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	5,125	16,170	190	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	13,255	14,200	22,500	14,100	22,600	23,300	15,600	17,800
COAST GUARD	613	400	600	700	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	3,446	2,000	3,000	1,000	9,900	5,700	4,900	7,500
FEDERAL HIGHWAY ADMINISTRATION	440	400	400	400	600	7,200	200	300
FEDERAL RAILROAD ADMINISTRATION	6,986	10,100	16,600	11,800	11,900	10,200	10,000	9,400
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	200	200	200	200	500	600
URBAN MASS TRANSPORTATION ADMINISTRATION	1,770	1,300	1,700	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	24	107	75	23	40	40	50	50
BUREAU OF ENGRAVING AND PRINTING	24	-	-	-	-	-	-	-
CUSTOMS SERVICE	-	107	75	23	40	40	50	50
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CONSUMER PRODUCT SAFETY COMMISSION	1,865	189	-	303	2,700	2,700	2,700	2,100
ENERGY RESEARCH & DEVELOPMENT ADMIN	392,566	438,821	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	2,070	6,256	2,110	4,623	2,400	-	-	-
FEDERAL COMMUNICATIONS COMMISSION	-	-	-	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	6,442	6,272	7,673	7,558
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	6,442	6,272	7,673	7,558
NATIONAL AERONAUTICS & SPACE ADMIN	142,655	82,130	118,090	162,340	147,500	159,100	115,000	104,800
NATIONAL SCIENCE FOUNDATION	23,054	52,577	27,079	39,700	30,200	18,700	14,400	19,800
NUCLEAR REGULATORY COMMISSION	3,038	9,623	7,141	6,932	8,612	7,696	8,477	7,400
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	398	485	184	205	957	917	726	930
TENNESSEE VALLEY AUTHORITY	12,186	10,174	3,730	21,910	50,789	600	300	900
VETERANS ADMINISTRATION	2,219	11,825	5,894	4,096	5,055	4,384	5,764	26,671

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 7. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY CHARACTER OF WORK, AND R&D PLANT: FISCAL YEARS 1970-81

(THOUSANDS OF DOLLARS)

FISCAL YEARS	TOTAL	RESEARCH		DEVELOPMENT	R&D PLANT
		BASIC	APPLIED		
1970	15,863,385	1,946,946	2,953,852	10,438,139	524,448
1971	16,153,756	2,006,207	3,116,964	10,419,341	611,244
1972	17,097,951	2,223,033	3,324,663	10,948,199	602,056
1973	17,574,486	2,241,675	3,339,754	11,218,724	774,333
1974	18,176,457	2,398,189	3,777,051	11,234,888	766,329
1975	19,859,548	2,600,383	4,129,325	12,309,110	820,730
1976	21,616,382	2,778,727	4,840,605	13,160,326	836,724
1977	25,350,173	3,269,497	5,244,618	15,468,858	1,367,200
1978	27,683,003	3,710,659	5,896,099	16,780,533	1,295,712
1979	30,453,201	4,205,516	6,329,489	18,442,741	1,475,455
1980	33,236,061	4,688,153	6,909,225	20,083,020	1,555,663
1981 (ESTIMATED)	37,026,033	5,036,672	7,322,622	23,001,175	1,665,564
1982 (ESTIMATED)	42,016,739	5,550,973	7,982,850	27,068,176	1,414,740

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 8A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

PERFORMER	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL	15,338,937	15,542,512	16,495,895	16,800,153	17,410,128	19,038,818	20,779,658	23,982,973
FEDERAL INTRAMURAL 1/	4,079,314	4,228,291	4,589,200	4,762,157	4,910,901	5,353,962	5,768,719	6,104,625
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	7,770,131	7,587,515	7,716,047	7,731,267	7,752,337	8,423,242	9,340,294	11,135,359
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	430,703	480,150	529,897	582,376	592,827	703,652	813,844	1,112,720
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	1,475,564	1,644,574	1,903,546	1,916,604	2,213,957	2,411,432	2,551,801	2,908,860
FFRDC'S ADMINISTERED BY UNIVERSITIES	751,126	728,867	760,559	725,310	789,136	935,076	1,061,115	1,326,809
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	444,851	458,786	514,893	578,184	672,224	702,342	708,583	804,498
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	247,439	210,216	215,437	183,057	199,324	219,918	231,038	263,875
STATE AND LOCAL GOVERNMENTS	99,581	141,051	206,706	256,841	214,389	227,618	231,165	238,044
FOREIGN	40,228	63,062	59,610	64,357	65,053	61,576	73,099	88,185

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 8B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
TOTAL	19,038,818	20,779,658	23,982,973	26,387,291	28,977,746	31,680,398	35,360,469	40,601,999
FEDERAL INTRAMURAL 1/	5,353,962	5,768,719	6,104,625	6,919,952	7,562,931	7,929,402	9,017,845	9,995,795
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	8,423,242	9,340,294	11,135,359	11,809,937	12,822,483	14,421,978	16,528,537	20,350,850
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	703,652	813,844	1,112,720	1,242,482	1,318,096	1,408,062	1,452,449	1,538,328
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	2,411,432	2,551,801	2,908,860	3,377,609	3,894,106	4,276,932	4,515,982	4,777,718
FFRDC'S ADMINISTERED BY UNIVERSITIES	935,076	1,061,115	1,326,809	1,325,629	1,510,999	1,591,573	1,725,571	1,882,671
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	702,342	708,583	804,496	1,004,187	1,035,614	1,133,868	1,102,420	1,092,991
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	219,918	231,038	263,875	315,917	368,734	441,836	322,295	445,171
STATE AND LOCAL GOVERNMENTS	227,618	231,165	238,044	268,410	310,121	285,542	261,833	222,452
FOREIGN	61,576	73,099	88,185	123,168	154,662	211,205	233,537	298,023

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 9A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	4,079,314	4,228,291	4,589,200	4,762,157	4,910,901	5,353,982	5,768,719	6,104,625
DEPARTMENT OF AGRICULTURE, TOTAL	208,355	226,515	251,482	260,327	273,958	302,533	332,952	392,878
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29,666
ECONOMIC RESEARCH SERVICE	14,683	15,106	15,742	16,443	17,908	20,931	23,252	N/A
FARMER COOPERATIVE SERVICE	865	920	989	1,105	1,164	1,045	1,204	N/A
STATISTICAL REPORTING SERVICE	535	556	571	699	587	1,087	1,705	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	41,412	45,207	52,315	54,929	60,489	71,343	74,612	82,359
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	280,853
AGRICULTURAL RESEARCH	148,673	162,431	179,418	184,666	190,938	204,963	229,155	276,832
COOPERATIVE RESEARCH	2,080	2,112	2,269	2,322	2,829	3,158	3,021	4,021
TECHNICAL INFORMATION SYSTEMS	107	183	178	163	43	6	3	-
DEPARTMENT OF COMMERCE, TOTAL	88,163	92,352	115,889	114,214	117,499	138,971	149,019	170,923
BUREAU OF THE CENSUS	2,973	4,051	3,778	905	928	898	2,319	2,467
ECONOMIC DEVELOPMENT ADMINISTRATION	1,387	1,308	473	252	555	473	723	536
MARITIME ADMINISTRATION	521	1,817	2,442	4,640	1,080	2,568	2,499	1,978
MINORITY BUSINESS DEVELOPMENT AGENCY	3,505	-	13	42	271	629	503	383
NATIONAL BUREAU OF STANDARDS	28,491	31,288	33,772	35,332	38,765	41,789	46,554	51,768
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	2,793	3,710	3,423
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	50,892	51,204	71,226	68,782	73,768	88,002	91,441	107,010
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,900
OFFICE OF TELECOMMUNICATIONS	-	2,107	3,563	3,487	1,640	1,319	896	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE	394	577	622	609	494	500	374	458
UNITED STATES TRAVEL SERVICE	-	-	-	165	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,221,072	2,275,503	2,569,265	2,674,967	2,630,645	2,733,565	2,891,116	3,081,233

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TABLE 9A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE ARMY	638,935	637,080	693,495	761,957	707,313	730,769	775,861	900,973
MILITARY FUNCTIONS	630,652	629,962	685,000	753,769	698,123	721,309	758,037	879,744
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	8,283	7,118	8,495	8,188	9,190	9,460	17,824	21,229
DEPARTMENT OF THE NAVY	752,938	778,591	910,959	930,881	961,165	1,007,950	1,074,822	1,138,449
DEPARTMENT OF THE AIR FORCE	697,581	723,644	815,744	815,475	805,558	835,786	843,623	821,511
DEFENSE AGENCIES	131,049	135,835	148,680	146,531	140,527	140,077	175,321	193,703
DEFENSE CIVIL PREPAREDNESS AGENCY	569	353	387	312	271	250	105	108
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	19,811	15,811	18,733	21,384	26,489
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	137,341
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	246,583	297,463	327,649	370,320	401,591	456,273	493,405	554,859
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	27,453	25,889	23,232	24,298	28,533
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	29,528	22,859	27,875	34,471	38,994
FOOD & DRUG ADMINISTRATION	13,350	16,438	20,827	17,026	19,144	23,111	22,810	25,295
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7,960
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	7,884	2,398	10,761	9,428	298
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	4,179	4,512	4,320	5,663	4,733
HEALTH SERVICES & MENTAL HEALTH ADMIN	49,531	61,565	57,053	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	6,585	10,960	11,537	11,513	12,886
NATIONAL INSTITUTES OF HEALTH	165,577	204,629	233,344	253,176	289,219	330,111	369,247	412,148
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	75	75	75
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	9,115
OFFICE OF CHILD DEVELOPMENT	100	334	347	N/A	N/A	N/A	N/A	N/A

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TABLE 9A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF EDUCATION	4,930	3,856	2,493	503	406	121	536	1,121
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	4,500	2,744	3,500	4,506	4,269
OFFICE OF INTERNATIONAL HEALTH	-	-	-	10	-	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	3,824	2,629	2,500	1,239
SOCIAL & REHABILITATION SERVICE	1,048	328	561	2,220	520	514	514	N/A
SOCIAL SECURITY ADMINISTRATION	12,047	10,313	13,024	17,256	19,416	18,487	7,844	7,995
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	3,704	4,174	7,851	13,597	17,383	19,397	15,826	20,521
DEPARTMENT OF THE INTERIOR, TOTAL	99,299	109,629	127,479	146,018	132,961	180,050	211,446	217,232
BONNEVILLE POWER ADMINISTRATION	833	969	1,284	1,413	1,041	2,194	3,525	N/A
BUREAU OF LAND MANAGEMENT	372	431	469	404	360	342	311	551
BUREAU OF MINES	40,653	47,730	52,899	58,535	44,522	46,861	71,480	65,248
GEOLOGICAL SURVEY	38,899	40,697	50,154	62,237	63,698	100,476	106,249	112,563
HERITAGE CONSERVATION & RECREATION SVC	92	85	35	24	20	20	20	20
NATIONAL PARK SERVICE	-	483	634	928	489	3,538	4,767	4,692
OFFICE OF COAL RESEARCH	362	492	145	1,021	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	25	57	3,434	-	300	395	1,459
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	N/A	N/A	N/A	N/A	1,865	2,347	2,197	1,108
OFFICE OF SALINE WATER	3,344	1,287	3,770	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	650	815	952	809	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	11,259	13,086	12,738	13,413	16,973	19,389	17,291	26,090
WATER AND POWER RESOURCES SERVICE	2,835	3,549	4,342	3,800	3,993	4,583	5,211	5,501
DEPARTMENT OF JUSTICE, TOTAL	1,039	1,526	4,310	5,617	4,910	5,502	5,435	4,174

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TABLE 9A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DRUG ENFORCEMENT ADMINISTRATION	25	184	329	392	1,700	156	500	900
FEDERAL BUREAU OF INVESTIGATION	115	115	120	150	200	200	221	200
FEDERAL PRISON SYSTEM	160	170	330	400	410	470	420	597
IMMIGRATION AND NATURALIZATION SERVICE	-	-	-	-	-	4	1	43
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	739	1,057	3,531	4,675	2,600	4,672	4,293	2,434
DEPARTMENT OF LABOR, TOTAL	9,460	9,787	10,112	5,729	6,767	8,756	10,763	9,507
BUREAU OF LABOR STATISTICS	3,815	3,756	4,755	998	1,662	1,630	1,308	1,372
EMPLOYMENT STANDARDS ADMINISTRATION	2,216	1,431	1,433	1,022	891	3,240	4,268	4,371
EMPLOYMENT AND TRAINING ADMINISTRATION	3,139	3,631	3,122	2,773	2,899	2,505	3,600	2,460
LABOR-MANAGEMENT SERVICES ADMINISTRATION	290	547	626	444	502	451	474	992
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	326	11	170	310	232	300	141
OFFICE OF THE SECRETARY	N/A	96	165	322	503	498	813	171
POST OFFICE DEPARTMENT	7,499	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	5,533	6,188	2,951	4,110	3,781	4,338	5,790	7,552
AGENCY FOR INTERNATIONAL DEVELOPMENT	5,410	6,084	2,811	3,778	3,538	4,057	5,523	6,475
DEPARTMENTAL FUNDS	52	104	140	332	243	281	267	1,077
PEACE CORPS	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	43,941	91,975	57,425	51,054	66,853	58,042	63,113	88,284
COAST GUARD	8,113	9,501	5,893	3,658	4,360	3,335	3,309	4,317
FEDERAL AVIATION ADMINISTRATION	8,224	43,838	15,175	13,650	27,796	22,978	21,896	24,952
FEDERAL HIGHWAY ADMINISTRATION	5,633	4,296	3,263	403	847	790	482	7,404
FEDERAL RAILROAD ADMINISTRATION	6,897	12,642	7,218	10,070	9,714	9,799	19,616	14,968
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,378	8,581	9,046	3,446	2,933	1,677	1,091	7,755
OFFICE OF THE SECRETARY	11,074	4,929	4,884	10,359	12,505	11,115	10,074	12,340
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	2,622	8,188	11,946	9,468	8,698	8,348	6,645	16,548
DEPARTMENT OF THE TREASURY, TOTAL	610	801	1,184	962	1,125	1,618	3,510	3,390
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	105
BUREAU OF ENGRAVING AND PRINTING	610	801	1,184	962	1,125	1,618	2,640	2,500
CUSTOMS SERVICE	-	-	-	-	-	-	870	785
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 9A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ACTION	N/A	31	-	-	88	22	15	58
ADVISORY COMM ON INTERGOV'TL RELATIONS	553	544	699	858	1,135	1,238	1,026	1,526
APPALACHIAN REGIONAL COMMISSION	-	-	-	-	-	-	20	113
ATOMIC ENERGY COMMISSION	17,466	16,801	16,274	15,786	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	448	550	626	1,472	1,955	2,817	2,549	2,405
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	1,428	1,023	1,000	1,510
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	139	3,697	3,406	3,344	3,604
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	30,016	66,073	73,661	N/A
ENVIRONMENTAL PROTECTION AGENCY	26,222	58,576	38,898	55,882	50,227	141,465	122,995	125,616
FEDERAL COMMUNICATIONS COMMISSION	615	616	576	695	766	803	986	1,691
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	228	1,023	N/A
FEDERAL HOME LOAN BANK BOARD	291	395	492	528	631	659	748	1,482
FEDERAL TRADE COMMISSION	388	440	607	670	932	934	850	1,111
GENERAL SERVICES ADMINISTRATION	226	124	118	174	195	155	165	61
INTERNATIONAL COMMUNICATION AGENCY	121	120	119	92	104	84	102	98
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INTERSTATE COMMERCE COMMISSION	-	-	-	-	-	-	123	64
LIBRARY OF CONGRESS	1,889	2,434	2,274	2,598	2,163	2,508	2,963	3,460
NATIONAL AERONAUTICS & SPACE ADMIN	988,048	909,065	927,297	893,332	993,387	1,042,718	1,168,321	1,037,794
NATIONAL SCIENCE FOUNDATION	13,900	19,362	17,859	18,380	53,615	49,478	64,860	79,506
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	145	4,207	7,430	9,358
OFFICE OF ECONOMIC OPPORTUNITY	6,698	11,494	8,204	8,586	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	620	272	255	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF SCIENCE AND TECHNOLOGY	1,858	2,030	2,038	-	N/A	N/A	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	50	100	100	25	3,281	3,985	-
POSTAL SERVICE	N/A	5,138	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	10	-	-	-	-	16	5	332
SMITHSONIAN INSTITUTION	16,634	13,294	19,020	21,155	22,728	23,244	24,679	27,293
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	N/A	N/A	-	9,272	248	102	-	N/A
TENNESSEE VALLEY AUTHORITY	8,029	9,153	10,043	13,008	6,856	7,759	7,935	13,018
US ARMS CONTROL & DISARMAMENT AGENCY	2,736	751	783	706	153	235	114	90
US INTERNATIONAL TRADE COMMISSION	-	-	-	-	-	-	1,500	2,649
VETERANS ADMINISTRATION	57,304	61,138	67,321	71,809	82,934	92,462	95,945	104,092

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 9B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	5,353,962	5,768,719	6,104,625	6,919,952	7,562,931	7,929,402	9,017,845	9,995,795
DEPARTMENT OF AGRICULTURE, TOTAL	302,533	332,952	392,878	417,781	455,467	457,178	514,822	563,104
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	1,419	2,069	2,114
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	867	1,227	1,358	1,386
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	29,666	30,518	34,544	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	20,931	23,252	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	1,045	1,204	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	1,087	1,705	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	29,356	34,485	36,868
FOREST SERVICE	71,343	74,612	82,359	94,616	96,535	101,352	110,957	121,632
OFF OF INTERNAT'L COOPERATION & DEV	N/A	N/A	N/A	N/A	-	760	846	906
OFFICE OF TRANSPORTATION	N/A	N/A	N/A	N/A	665	767	844	1,093
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	280,853	292,649	322,856	322,297	364,263	399,105
AGRICULTURAL RESEARCH	204,963	229,155	276,832	287,454	316,946	315,488	356,948	390,822
COOPERATIVE RESEARCH	3,158	3,021	4,021	5,195	5,910	6,809	7,315	8,283
TECHNICAL INFORMATION SYSTEMS	6	3	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	138,971	149,019	170,923	178,278	196,853	225,506	234,975	241,658
BUREAU OF THE CENSUS	898	2,319	2,467	3,305	2,907	2,832	3,280	3,386
ECONOMIC DEVELOPMENT ADMINISTRATION	473	723	536	1,564	2,258	1,368	1,152	-
MARITIME ADMINISTRATION	2,568	2,499	1,978	1,757	1,975	2,225	2,000	1,800
MINORITY BUSINESS DEVELOPMENT AGENCY	629	503	383	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	41,789	46,554	51,768	54,517	62,073	71,328	78,083	87,992
NATIONAL FIRE PREVENTION & CONTROL ADMIN	2,793	3,710	3,423	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	88,002	91,441	107,010	114,811	123,043	136,536	138,143	137,461
NAT'L TELECOMM & INFORMATION ADMIN	N/A	N/A	2,900	1,808	4,060	10,694	11,197	10,400
OFFICE OF TELECOMMUNICATIONS	1,319	896	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	2	63	6	-
PATENT AND TRADEMARK OFFICE	500	374	458	516	535	460	1,114	619
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,733,565	2,891,116	3,081,233	3,349,729	3,743,873	3,796,486	4,608,736	5,585,882

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TABLE 9B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE ARMY	730,769	775,861	900,973	922,400	1,080,149	1,125,212	1,271,085	1,518,821
MILITARY FUNCTIONS	721,309	758,037	879,744	900,065	1,057,730	1,100,009	1,245,924	1,491,090
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	9,460	17,824	21,229	22,335	22,419	25,203	25,161	27,731
DEPARTMENT OF THE NAVY	1,007,950	1,074,822	1,138,449	1,184,649	1,399,270	1,303,731	1,475,180	1,547,057
DEPARTMENT OF THE AIR FORCE	835,786	843,623	821,511	1,012,603	1,014,600	1,054,806	1,494,732	1,960,848
DEFENSE AGENCIES	140,077	175,321	193,703	204,777	225,799	279,766	335,172	515,697
DEFENSE CIVIL PREPAREDNESS AGENCY	250	105	108	1,673	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	18,733	21,384	26,489	23,627	24,055	32,971	32,567	43,459
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	19,484	4,045	4,184	1,516
DEPARTMENT OF ENERGY	N/A	N/A	137,341	317,675	381,892	473,598	516,729	368,793
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	456,273	493,405	554,659	685,858	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	23,232	24,298	28,533	51,442	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	27,875	34,471	38,994	42,618	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	23,111	22,810	25,295	41,093	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	7,960	5,238	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	10,761	9,428	296	201	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	4,320	5,663	4,733	4,818	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	11,537	11,513	12,886	15,328	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	330,111	369,247	412,148	494,032	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	75	75	75	138	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	9,115	11,295	N/A	N/A	N/A	N/A

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TABLE 9B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	121	536	1,121	1,811	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	3,500	4,506	4,269	5,281	N/A	N/A	N/A	N/A
OFFICE OF INTERNATIONAL HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	2,629	2,500	1,239	2,715	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	514	514	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	18,487	7,844	7,995	9,846	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	728,882	820,155	842,258	894,103
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	56,770	63,306	71,469	98,057
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	55,964	66,693	62,481	58,708
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	44,068	59,824	59,708	60,108
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	3,682	5,750	3,150	3,150
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	150	154	155	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	6,560	6,439	6,455	1,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	527,891	587,078	608,193	649,566
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	10,404	11,503	13,237	7,752
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	4,777	2,650	2,703	1,858
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	3,276	2,044	2,051	1,250
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	15,340	14,714	12,656	12,554
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	19,397	15,826	20,521	24,930	26,498	12,854	12,420	13,219
DEPARTMENT OF THE INTERIOR, TOTAL	180,050	211,446	217,232	215,695	249,948	242,071	266,109	271,690
BONNEVILLE POWER ADMINISTRATION	2,194	3,525	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	342	311	551	573	721	716	658	650
BUREAU OF MINES	46,861	71,480	65,248	52,868	56,971	56,028	55,400	55,700
GEOLOGICAL SURVEY	100,476	106,249	112,563	123,432	134,114	129,763	149,112	161,247
HERITAGE CONSERVATION & RECREATION SVC	20	20	20	-	-	-	-	-
NATIONAL PARK SERVICE	3,538	4,767	4,692	3,512	5,898	5,995	7,777	7,371
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	300	395	1,459	1,048	848	930	991	840
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	198	1,434	666	464	442
OFFICE OF WATER RESEARCH & TECHNOLOGY	2,347	2,197	1,108	1,500	3,125	1,800	1,039	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	19,389	17,291	26,090	26,270	40,758	39,535	41,585	38,880
WATER AND POWER RESOURCES SERVICE	4,583	5,211	5,501	6,294	6,079	6,638	9,083	6,560
DEPARTMENT OF JUSTICE, TOTAL	5,502	5,435	4,174	6,028	5,001	2,869	2,033	1,950

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TABLE 9B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DRUG ENFORCEMENT ADMINISTRATION	156	500	900	500	600	600	500	600
FEDERAL BUREAU OF INVESTIGATION	200	221	200	275	225	215	275	275
FEDERAL PRISON SYSTEM	470	420	597	1,910	826	107	107	107
IMMIGRATION AND NATURALIZATION SERVICE	4	1	43	316	78	112	112	112
OFFICE OF THE ATTORNEY GENERAL	-	-	-	91	21	180	100	106
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	4,672	4,293	2,434	2,936	3,251	1,655	939	750
DEPARTMENT OF LABOR, TOTAL	8,756	10,763	9,507	8,986	20,111	12,152	10,834	8,148
BUREAU OF LABOR STATISTICS	1,830	1,308	1,372	1,178	855	860	838	879
EMPLOYMENT STANDARDS ADMINISTRATION	3,240	4,268	4,371	3,026	3,455	3,900	3,200	1,400
EMPLOYMENT AND TRAINING ADMINISTRATION	2,505	3,600	2,460	3,140	12,305	4,358	4,135	3,067
LABOR-MANAGEMENT SERVICES ADMINISTRATION	451	474	992	1,006	1,725	1,312	1,409	1,409
OCCUPATIONAL SAFETY & HEALTH ADMIN	232	300	141	200	406	607	240	332
OFFICE OF THE SECRETARY	498	813	171	436	1,365	1,115	1,012	1,061
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	4,338	5,790	7,552	4,366	1,028	841	692	747
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,057	5,523	6,475	3,968	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	281	267	1,077	398	1,028	841	692	747
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	58,042	63,113	88,284	109,304	110,277	113,471	122,716	133,501
COAST GUARD	3,335	3,309	4,317	5,495	6,000	6,000	7,000	18,200
FEDERAL AVIATION ADMINISTRATION	22,978	21,896	24,952	26,762	26,370	24,580	28,634	28,836
FEDERAL HIGHWAY ADMINISTRATION	790	482	7,404	12,560	12,064	11,847	12,864	12,864
FEDERAL RAILROAD ADMINISTRATION	9,799	19,616	14,968	19,610	16,024	15,660	17,632	14,626
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,677	1,091	7,755	11,002	12,051	12,922	13,033	12,933
OFFICE OF THE SECRETARY	11,115	10,074	12,340	15,755	4,312	5,788	5,277	5,332
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	278	8,800	8,605	9,176	10,310
URBAN MASS TRANSPORTATION ADMINISTRATION	8,348	6,645	16,548	17,842	24,656	28,069	29,100	30,400
DEPARTMENT OF THE TREASURY, TOTAL	1,618	3,510	3,390	5,290	3,007	5,452	7,497	7,597
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	105	74	122	162	104	-
BUREAU OF ENGRAVING AND PRINTING	1,618	2,640	2,500	2,947	1,102	1,800	3,279	3,846
CUSTOMS SERVICE	-	870	785	344	118	200	213	189
INTERNAL REVENUE SERVICE	-	-	-	1,925	1,665	3,280	3,897	3,557
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	10	4	5

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TABLE 9B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ACTION	22	15	58	116	114	-	-	-
ADVISORY COMM ON INTERGOV'TL RELATIONS	1,238	1,026	1,526	1,685	1,696	2,219	1,827	2,028
APPALACHIAN REGIONAL COMMISSION	-	20	113	27	60	60	85	100
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CIVIL SERVICE COMMISSION	2,817	2,549	2,405	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION	1,023	1,000	1,510	1,520	1,520	1,525	1,520	-
CONSUMER PRODUCT SAFETY COMMISSION	3,406	3,344	3,604	2,372	2,415	1,850	1,191	954
ENERGY RESEARCH & DEVELOPMENT ADMIN	66,073	73,661	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	141,465	122,995	125,616	159,299	175,340	145,104	157,002	112,943
FEDERAL COMMUNICATIONS COMMISSION	803	986	1,691	1,775	1,397	2,196	1,858	1,655
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	4,925	5,131	6,282	7,274
FEDERAL ENERGY ADMINISTRATION	228	1,023	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	659	748	1,482	931	863	1,227	1,125	1,276
FEDERAL TRADE COMMISSION	934	850	1,111	1,356	1,521	3,021	4,166	4,375
GENERAL SERVICES ADMINISTRATION	155	165	61	1,425	16	2	50	100
INTERNATIONAL COMMUNICATION AGENCY	84	102	98	105	87	85	157	17
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	7,768	5,546	7,550	8,420
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	7,768	5,546	7,550	8,420
INTERSTATE COMMERCE COMMISSION	-	123	64	250	150	143	175	150
LIBRARY OF CONGRESS	2,508	2,963	3,460	4,517	5,400	6,400	5,900	6,300
NATIONAL AERONAUTICS & SPACE ADMIN	1,042,718	1,168,321	1,037,794	1,155,650	1,177,134	1,261,850	1,321,966	1,380,978
NATIONAL SCIENCE FOUNDATION	49,478	64,860	79,506	83,355	63,206	75,113	81,029	82,109
NUCLEAR REGULATORY COMMISSION	4,207	7,430	9,358	11,222	9,679	14,096	16,106	18,744
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	1,974	3,488	3,698	5,907	4,916
OFFICE OF SCIENCE AND TECHNOLOGY	N/A	-	-	-	-	-	-	-
OFFICE OF TELECOMMUNICATIONS POLICY	3,281	3,985	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	16	5	332	-	-	-	-	-
SMITHSONIAN INSTITUTION	23,244	24,679	27,293	31,996	33,685	36,557	41,575	45,989
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	102	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	7,759	7,935	13,018	17,069	22,432	62,100	70,600	71,400
US ARMS CONTROL & DISARMAMENT AGENCY	235	114	90	444	468	933	485	946
US INTERNATIONAL TRADE COMMISSION	-	1,500	2,649	3,119	3,417	2,068	2,984	3,926
VETERANS ADMINISTRATION	92,462	95,945	104,092	111,899	123,829	131,800	144,300	151,287

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 10A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	7,770,131	7,587,515	7,716,047	7,731,267	7,752,337	8,423,242	9,340,294	11,135,359
DEPARTMENT OF AGRICULTURE, TOTAL	1,304	519	739	1,780	798	1,635	524	6,610
DEPARTMENTS								
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
ECONOMIC RESEARCH SERVICE	8	-	-	-	-	-	-	N/A
STATISTICAL REPORTING SERVICE	89	88	90	-	-	-	-	N/A
FOREST SERVICE	6	6	468	1,201	530	1,149	245	607
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,003
AGRICULTURAL RESEARCH	1,108	331	176	579	268	486	279	6,003
TECHNICAL INFORMATION SYSTEMS	93	94	5	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	17,713	26,765	33,191	33,345	38,130	33,835	28,206	24,908
ECONOMIC DEVELOPMENT ADMINISTRATION	1,724	815	1,329	1,102	424	525	551	997
MARITIME ADMINISTRATION	11,836	18,141	19,460	15,383	21,538	18,728	14,527	11,444
MINORITY BUSINESS DEVELOPMENT AGENCY	-	-	-	-	-	632	93	319
NATIONAL BUREAU OF STANDARDS	-	186	106	322	234	415	99	312
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	-	269	236
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	4,153	7,623	12,296	16,153	15,934	13,535	12,667	11,600
UNITED STATES TRAVEL SERVICE	-	-	-	385	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	4,523,600	4,629,102	5,107,689	5,137,954	5,173,244	5,640,281	6,018,840	6,997,332
DEPARTMENT OF THE ARMY	913,331	938,511	1,252,781	1,156,816	1,219,071	1,086,219	1,160,039	1,443,104
MILITARY FUNCTIONS	913,271	938,164	1,252,122	1,156,416	1,218,571	1,085,903	1,157,403	1,441,440
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	60	347	659	400	500	316	2,636	1,664

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TABLE 10A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE NAVY	1,349,135	1,348,649	1,430,061	1,556,468	1,547,028	1,882,054	1,961,863	2,288,694
DEPARTMENT OF THE AIR FORCE	2,056,130	2,158,674	2,214,496	2,228,429	2,196,617	2,446,668	2,638,549	2,921,518
DEFENSE AGENCIES	203,601	182,506	209,070	191,945	203,350	221,581	257,131	341,576
DEFENSE CIVIL PREPAREDNESS AGENCY	1,403	762	1,281	937	950	583	245	622
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	3,359	6,228	3,176	1,013	1,818
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,205,559
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	43,653	54,749	85,275	89,063	142,300	121,632	138,279	144,037
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	1,040	2,748	3,760	7,426	4,103
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,260	8,060	3,632	2,616	4,382
FOOD & DRUG ADMINISTRATION	175	1,038	1,532	1,929	6,214	2,463	2,765	5,418
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,675
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	6,214	7,603	1,639	310	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	846	1,301	1,135	-	1,992
HEALTH SERVICES & MENTAL HEALTH ADMIN	5,921	5,018	8,544	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	1,314	3,919	2,700	3,962	4,857
NATIONAL INSTITUTES OF HEALTH	35,974	46,579	70,858	75,356	101,799	98,529	104,922	101,108
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	249
OFFICE OF CHILD DEVELOPMENT	-	335	-	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	1,447	1,603	4,232	571	4,082	1,795	3,020	1,899
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	483	3,965	2,822	6,271	4,981
OFFICE OF THE SECRETARY	-	-	-	-	603	470	3,082	2,328
SOCIAL & REHABILITATION SERVICE	-	-	-	-	1,844	1,439	86	N/A
SOCIAL SECURITY ADMINISTRATION	136	176	109	50	162	1,248	3,819	1,045
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 10A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT .	20,704	37,972	15,905	23,448	17,696	18,770	26,000	10,894
DEPARTMENT OF THE INTERIOR, TOTAL	26,338	40,187	49,550	44,656	28,538	66,884	65,187	37,813
BONNEVILLE POWER ADMINISTRATION	809	647	707	1,162	698	2,684	2,948	N/A
BUREAU OF MINES	3,850	8,480	14,564	15,438	16,680	52,564	51,299	30,059
GEOLOGICAL SURVEY	368	303	867	2,981	828	1,886	525	765
NATIONAL PARK SERVICE	-	-	-	-	-	387	390	321
OFFICE OF COAL RESEARCH	3,166	12,591	11,967	7,477	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	874	15,172	-	548	530	1,619
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY ...	N/A	N/A	N/A	N/A	8,765	6,929	7,640	3,830
OFFICE OF SALINE WATER	16,598	15,878	17,835	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	603	985	1,508	1,375	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE .	-	-	-	-	-	475	218	300
WATER AND POWER RESOURCES SERVICE	944	1,303	1,228	1,051	1,566	1,391	1,617	919
DEPARTMENT OF JUSTICE, TOTAL	1,622	1,734	3,819	1,385	6,135	1,665	2,066	5,185
DRUG ENFORCEMENT ADMINISTRATION	-	506	164	740	2,352	540	850	1,350
FEDERAL BUREAU OF INVESTIGATION	82	853	590	589	1,680	997	1,024	1,200
FEDERAL PRISON SYSTEM	5	10	25	56	14	73	60	20
IMMIGRATION AND NATURALIZATION SERVICE ..	-	-	-	-	-	55	132	253
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT .	1,535	365	3,040	-	2,089	-	-	2,362
DEPARTMENT OF LABOR, TOTAL	1,426	1,655	1,561	1,939	2,097	4,832	5,657	7,658
BUREAU OF LABOR STATISTICS	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION ..	1,426	1,650	1,561	1,426	1,610	2,550	2,984	3,617
LABOR-MANAGEMENT SERVICES ADMINISTRATION	-	-	-	-	157	-	-	767
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	-	-	381	194	1,796	2,600	3,245
OFFICE OF THE SECRETARY	N/A	5	-	132	136	486	73	29
POST OFFICE DEPARTMENT	29,984	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 10A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF STATE, TOTAL	160	-	477	610	628	1,758	1,758	2,353
AGENCY FOR INTERNATIONAL DEVELOPMENT	110	-	323	-	65	1,292	1,220	1,718
DEPARTMENTAL FUNDS	-	-	154	610	563	466	538	635
PEACE CORPS	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	239,633	357,993	191,421	173,078	204,705	161,911	158,710	164,473
COAST GUARD	10,124	11,871	21,602	18,542	15,096	11,132	8,200	13,335
FEDERAL AVIATION ADMINISTRATION	46,840	298,618	77,202	56,582	82,511	68,436	64,083	66,901
FEDERAL HIGHWAY ADMINISTRATION	4,602	4,280	3,504	9,845	9,085	8,827	6,600	6,214
FEDERAL RAILROAD ADMINISTRATION	3,799	7,247	17,290	21,353	20,304	18,832	26,803	23,724
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	7,231	13,789	20,791	23,600	28,508	15,521	13,083	17,647
OFFICE OF THE SECRETARY	157,954	8,599	18,463	5,713	10,566	10,393	9,692	10,320
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	9,083	13,589	32,569	37,443	40,635	28,770	30,249	26,332
DEPARTMENT OF THE TREASURY, TOTAL	-	-	67	38	-	47	225	410
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	160
BUREAU OF ENGRAVING AND PRINTING	-	-	67	38	-	47	142	-
CUSTOMS SERVICE	-	-	-	-	-	-	83	250
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ACTION	N/A	60	-	-	-	69	15	-
APPALACHIAN REGIONAL COMMISSION	-	-	-	-	-	-	884	404
ATOMIC ENERGY COMMISSION	300,022	265,550	216,303	200,004	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	8,622	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	-	-	248	587	1,517
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	263,855	501,588	758,261	N/A
ENVIRONMENTAL PROTECTION AGENCY	32,079	47,557	37,946	54,221	60,888	51,878	67,086	77,937
FEDERAL COMMUNICATIONS COMMISSION	400	-	145	425	153	329	548	352
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	1,030	1,592	N/A
GENERAL SERVICES ADMINISTRATION	82	24	86	212	1,032	1,391	877	746
INTERNATIONAL COMMUNICATION AGENCY	113	-	1	21	5	-	-	6
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 10A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
LIBRARY OF CONGRESS	43	20	27	-	-	67	-	340
NATIONAL AERONAUTICS & SPACE ADMIN	2,516,247	2,073,552	1,957,239	1,957,845	1,784,853	1,791,797	2,042,054	2,420,568
NATIONAL SCIENCE FOUNDATION	2,805	3,530	4,690	6,825	14,716	17,744	15,369	15,271
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	3,068	2,515	6,548	8,209
OFFICE OF ECONOMIC OPPORTUNITY	10,431	11,397	7,963	860	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	321	230	175	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	-	916	415	100	607	298	-
POSTAL SERVICE	N/A	33,969	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	-	-	-	-	-	156	-	134
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	N/A	N/A	-	2,058	-	-	-	N/A
US ARMS CONTROL & DISARMAMENT AGENCY	1,181	544	494	771	497	272	453	1,579
VETERANS ADMINISTRATION	270	406	368	316	277	321	490	1,064

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 10B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	8,423,242	9,340,294	11,135,359	11,809,937	12,822,483	14,421,978	16,528,537	20,350,850
DEPARTMENT OF AGRICULTURE, TOTAL	1,635	524	6,610	7,074	4,699	5,721	9,472	10,384
DEPARTMENTS								
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	75	25	30	30
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	-	-	-	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	-	-	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	-	-	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	1,149	245	607	808	571	103	112	116
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	6,003	6,266	4,053	5,593	9,330	10,218
AGRICULTURAL RESEARCH	486	279	6,003	6,266	4,053	5,593	9,330	10,218
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	33,835	28,206	24,908	32,166	35,914	33,597	27,843	26,125
ECONOMIC DEVELOPMENT ADMINISTRATION	525	551	997	1,305	4,022	2,554	1,775	-
MARITIME ADMINISTRATION	18,728	14,527	11,444	16,717	15,843	16,297	13,131	11,970
MINORITY BUSINESS DEVELOPMENT AGENCY	632	93	319	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	415	99	312	2,146	4,689	3,600	3,700	4,195
NATIONAL FIRE PREVENTION & CONTROL ADMIN	-	269	236	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	13,535	12,667	11,600	11,998	11,360	11,146	9,237	9,960
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	5,640,281	6,018,840	6,997,332	7,316,452	7,695,290	9,022,449	10,925,878	14,333,149
DEPARTMENT OF THE ARMY	1,086,219	1,160,039	1,443,104	1,511,274	1,551,128	1,742,195	1,896,881	2,355,950
MILITARY FUNCTIONS	1,085,903	1,157,403	1,441,440	1,509,804	1,550,013	1,740,225	1,894,614	2,353,357
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	316	2,636	1,664	1,470	1,115	1,970	2,267	2,593

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TABLE 10B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE NAVY	1,882,054	1,961,863	2,288,694	2,453,636	2,506,605	3,003,987	3,175,214	4,025,411
DEPARTMENT OF THE AIR FORCE	2,446,668	2,638,549	2,921,518	2,931,211	3,119,649	3,653,786	5,080,646	6,831,173
DEFENSE AGENCIES	221,581	257,131	341,576	414,647	515,352	621,084	771,637	1,118,615
DEFENSE CIVIL PREPAREDNESS AGENCY	583	245	622	2,937	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	3,176	1,013	1,818	2,747	2,556	1,397	1,500	2,000
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	8,479	12,983	12,601	12,413
DEPARTMENT OF ENERGY	N/A	N/A	1,205,559	1,415,716	1,547,875	1,377,006	1,313,979	1,298,811
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	121,632	138,279	144,037	143,308	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	3,760	7,426	4,103	3,907	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	3,632	2,616	4,382	4,332	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	2,463	2,765	5,418	6,113	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	11,675	6,836	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	1,639	310	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	1,135	-	1,992	2,378	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	2,700	3,962	4,857	7,522	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	98,529	104,922	101,108	98,884	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	249	1,082	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	1,795	3,020	1,899	4,242	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	2,822	6,271	4,981	4,797	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	470	3,082	2,328	2,692	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	1,439	86	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	1,248	3,819	1,045	523	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	151,437	180,925	184,296	196,923
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	4,595	7,563	6,833	6,229
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,251	6,593	5,933	5,933

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TABLE 10B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	3,770	4,680	4,990	4,990
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	10,273	19,081	20,500	20,500
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	117,148	126,467	130,478	141,102
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	3,925	4,506	2,738	3,382
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	2,977	8,818	8,356	3,222
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	1,355	1,932	4,150	3,000
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	1,143	1,285	318	8,565
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	18,770	26,000	10,894	17,896	21,301	20,959	18,939	18,653
DEPARTMENT OF THE INTERIOR, TOTAL	66,864	65,167	37,813	69,644	66,896	73,962	67,233	48,194
BONNEVILLE POWER ADMINISTRATION	2,684	2,948	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF MINES	52,564	51,299	30,059	50,876	52,565	47,785	45,685	42,361
GEOLOGICAL SURVEY	1,886	525	765	988	833	5,931	4,724	3,722
NATIONAL PARK SERVICE	387	390	321	114	95	-	-	-
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	548	530	1,619	355	412	472	120	128
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	510	160	1,660	1,303	368
OFFICE OF WATER RESEARCH & TECHNOLOGY	6,929	7,640	3,830	14,984	10,196	15,258	12,617	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	475	218	300	250	583	510	550	495
WATER AND POWER RESOURCES SERVICE	1,391	1,617	919	1,567	2,052	2,346	2,234	1,120
DEPARTMENT OF JUSTICE, TOTAL	1,665	2,066	5,185	6,691	5,276	6,251	6,215	6,375
DRUG ENFORCEMENT ADMINISTRATION	540	850	1,350	1,400	1,800	2,100	1,900	1,200
FEDERAL BUREAU OF INVESTIGATION	997	1,024	1,200	1,550	2,855	1,227	22	831
FEDERAL PRISON SYSTEM	73	60	20	50	-	-	-	-
IMMIGRATION AND NATURALIZATION SERVICE	55	132	253	62	122	190	920	344
OFFICE OF THE ATTORNEY GENERAL	-	-	-	329	341	970	900	800
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	-	-	2,362	3,300	158	1,764	2,473	3,200
DEPARTMENT OF LABOR, TOTAL	4,832	5,657	7,658	7,391	28,677	19,800	13,755	15,048
BUREAU OF LABOR STATISTICS	-	-	-	60	57	65	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	122	249	450	1,800	2,600
EMPLOYMENT AND TRAINING ADMINISTRATION	2,550	2,984	3,617	4,619	22,892	13,383	3,837	4,122
LABOR-MANAGEMENT SERVICES ADMINISTRATION	-	-	767	1,012	583	318	358	358
OCCUPATIONAL SAFETY & HEALTH ADMIN	1,796	2,600	3,245	869	4,701	5,366	7,760	7,968

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TABLE 10B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF THE SECRETARY	486	73	29	709	195	218	-	-
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	1,758	1,758	2,353	8,963	1,344	928	741	628
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,292	1,220	1,718	7,376	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	466	538	635	1,587	1,344	928	741	628
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	161,911	158,710	164,473	191,399	184,128	161,778	184,100	176,976
COAST GUARD	11,132	8,200	13,335	17,198	14,500	11,300	17,200	10,900
FEDERAL AVIATION ADMINISTRATION	68,436	64,083	66,901	72,508	74,768	66,182	77,087	77,517
FEDERAL HIGHWAY ADMINISTRATION	8,827	6,600	6,214	5,025	5,478	5,647	6,091	6,091
FEDERAL RAILROAD ADMINISTRATION	18,832	26,803	23,724	30,223	24,731	26,327	27,758	22,974
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	15,521	13,083	17,647	25,051	31,501	36,320	38,916	41,736
OFFICE OF THE SECRETARY	10,393	9,692	10,320	10,505	7,290	4,956	5,348	5,258
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	622	2,300	960	1,700	2,200
URBAN MASS TRANSPORTATION ADMINISTRATION	28,770	30,249	26,332	30,267	23,560	10,086	10,000	10,300
DEPARTMENT OF THE TREASURY, TOTAL	47	225	410	2,620	5,085	4,654	5,315	5,727
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	160	-	1,060	333	-	-
BUREAU OF ENGRAVING AND PRINTING	47	142	-	753	986	500	1,221	854
CUSTOMS SERVICE	-	83	250	1,405	1,104	2,835	3,191	2,596
INTERNAL REVENUE SERVICE	-	-	-	462	1,935	636	803	2,127
OFFICE OF PROTECTIVE RESEARCH	N/A	N/A	N/A	N/A	N/A	350	100	150
OTHER AGENCIES								
ACTION	69	15	-	30	-	-	-	-
APPALACHIAN REGIONAL COMMISSION	-	684	404	323	518	440	95	150
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	248	587	1,517	1,410	1,385	1,532	2,892	2,259
ENERGY RESEARCH & DEVELOPMENT ADMIN	501,588	758,261	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	51,878	67,086	77,937	103,249	112,320	90,118	86,869	81,205
FEDERAL COMMUNICATIONS COMMISSION	329	548	352	625	1,503	1,224	832	270
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	2,150	2,210	3,242	4,128
FEDERAL ENERGY ADMINISTRATION	1,030	1,592	N/A	N/A	N/A	N/A	N/A	N/A
GENERAL SERVICES ADMINISTRATION	1,391	877	746	1,119	445	124	290	-
INTERNATIONAL COMMUNICATION AGENCY	-	-	6	22	17	3	104	147
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	4,195	4,733	2,612	3,515

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TABLE 10B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	4,195	4,733	2,612	3,515
LIBRARY OF CONGRESS	67	-	340	383	500	500	300	300
NATIONAL AERONAUTICS & SPACE ADMIN	1,791,797	2,042,054	2,420,568	2,452,846	2,919,544	3,376,474	3,635,442	4,076,560
NATIONAL SCIENCE FOUNDATION	17,744	15,369	15,271	22,092	16,334	16,305	18,507	25,605
NUCLEAR REGULATORY COMMISSION	2,515	6,548	8,209	5,569	4,340	5,301	6,230	6,736
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	-	500	160	75	75
OFFICE OF TELECOMMUNICATIONS POLICY	607	298	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	156	-	134	-	-	-	-	-
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	-	-	N/A	N/A	N/A	N/A	N/A	N/A
US ARMS CONTROL & DISARMAMENT AGENCY	272	453	1,579	2,564	2,351	1,841	680	516
VETERANS ADMINISTRATION	321	490	1,064	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 11A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	1,475,564	1,644,574	1,903,546	1,916,604	2,213,957	2,411,432	2,551,801	2,908,860
DEPARTMENT OF AGRICULTURE, TOTAL	64,796	71,879	87,486	94,251	94,781	108,162	119,646	140,059
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	824
ECONOMIC RESEARCH SERVICE	208	380	234	494	232	376	710	N/A
FARMER COOPERATIVE SERVICE	19	97	77	80	188	111	1	N/A
STATISTICAL REPORTING SERVICE	61	66	80	39	25	80	168	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	737	743	2,329	1,986	3,947	5,551	4,718	6,920
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	132,315
AGRICULTURAL RESEARCH	5,091	5,150	4,720	4,814	4,054	4,457	4,114	9,587
COOPERATIVE RESEARCH	58,672	65,343	80,001	86,726	86,237	97,587	109,930	122,728
TECHNICAL INFORMATION SYSTEMS	8	100	45	112	100	-	5	-
DEPARTMENT OF COMMERCE, TOTAL	4,487	15,989	23,789	23,840	19,816	21,604	27,883	26,714
BUREAU OF THE CENSUS	65	32	92	71	100	115	175	167
ECONOMIC DEVELOPMENT ADMINISTRATION	1,548	1,026	1,656	738	741	547	3,373	5,000
MARITIME ADMINISTRATION	194	518	242	512	78	493	800	200
MINORITY BUSINESS DEVELOPMENT AGENCY	-	-	48	-	45	63	-	-
NATIONAL BUREAU OF STANDARDS	373	451	550	547	1,030	741	607	856
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	805	1,179	1,845
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	2,307	13,962	21,201	21,957	17,822	18,840	21,749	18,646
PATENT AND TRADEMARK OFFICE	-	-	-	15	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	216,282	210,897	216,754	203,716	197,351	203,441	240,453	273,335
DEPARTMENT OF THE ARMY	41,253	33,588	44,455	38,068	42,706	40,139	45,793	56,962
MILITARY FUNCTIONS	40,300	32,595	42,660	36,552	40,996	38,415	40,603	56,064

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TABLE 11A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
CIVIL FUNCTIONS (CORPS OF ENGINEERS) ..	953	993	1,795	1,516	1,710	1,724	5,190	898
DEPARTMENT OF THE NAVY	73,879	70,258	79,638	75,880	57,224	57,959	57,678	66,507
DEPARTMENT OF THE AIR FORCE	62,860	60,442	57,893	58,491	60,372	71,768	82,654	104,035
DEFENSE AGENCIES	37,910	46,168	34,390	31,004	36,739	33,383	54,248	45,691
DEFENSE CIVIL PREPAREDNESS AGENCY	380	441	378	273	310	192	80	140
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	188,184
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	646,606	761,745	915,901	929,575	1,207,672	1,279,176	1,365,034	1,504,925
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .	N/A	N/A	N/A	64,620	80,591	76,896	78,168	87,743
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	4,667	4,764	4,622	2,941	5,358
FOOD & DRUG ADMINISTRATION	4,633	6,646	5,285	8,196	13,977	8,377	7,682	8,425
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,727
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	15,846	20,793	19,811	15,936	7,114
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	3,894	3,188	7,147	5,567	6,474
HEALTH SERVICES & MENTAL HEALTH ADMIN ...	82,922	79,977	104,370	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	38,505	19,823	15,000	16,851	16,705
NATIONAL INSTITUTES OF HEALTH	517,797	603,371	756,053	761,147	1,027,171	1,076,633	1,184,517	1,311,431
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	11,997
OFFICE OF CHILD DEVELOPMENT	1,650	6,691	6,618	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	22,939	48,758	26,017	9,869	11,174	10,647	21,887	12,040
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	4,449	20,977	52,505	24,440	32,786
OFFICE OF THE SECRETARY	-	-	-	-	3,082	3,073	3,066	2,567
SOCIAL & REHABILITATION SERVICE	16,514	15,916	17,224	17,265	1,988	1,727	2,378	N/A
SOCIAL SECURITY ADMINISTRATION	151	386	334	1,117	144	2,738	1,601	558
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 11A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	510	665	1,090	1,262	2,351	2,650	1,534	3,462
DEPARTMENT OF THE INTERIOR, TOTAL	18,521	21,068	25,420	23,759	21,948	28,737	26,399	26,194
BONNEVILLE POWER ADMINISTRATION	145	164	137	70	56	85	226	N/A
BUREAU OF LAND MANAGEMENT	333	308	307	278	263	392	418	330
BUREAU OF MINES	1,563	2,308	2,755	3,267	4,368	7,421	7,384	5,692
GEOLOGICAL SURVEY	594	798	514	1,259	1,708	4,020	3,493	4,140
HERITAGE CONSERVATION & RECREATION SVC	-	25	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	658	659	619	1,801	4,067	4,098	2,720
OFFICE OF COAL RESEARCH	625	925	4,772	2,510	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	50	22	933	-	477	50	402
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	N/A	N/A	N/A	N/A	11,469	10,138	9,117	9,781
OFFICE OF SALINE WATER	2,362	1,701	1,361	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	9,153	9,776	10,484	10,527	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	473	535	468	371	825	728	870	800
WATER AND POWER RESOURCES SERVICE	3,273	3,818	3,941	3,925	1,458	1,409	743	2,329
DEPARTMENT OF JUSTICE, TOTAL	1,945	3,073	3,115	3,321	2,245	8,902	3,511	5,746
DRUG ENFORCEMENT ADMINISTRATION	483	595	355	273	258	418	300	-
FEDERAL PRISON SYSTEM	-	107	60	36	95	42	211	210
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	1,462	2,371	2,700	3,012	1,892	8,442	3,000	5,536
DEPARTMENT OF LABOR, TOTAL	3,567	4,196	5,198	8,008	9,732	5,531	4,975	7,172
EMPLOYMENT STANDARDS ADMINISTRATION	-	70	176	313	-	-	-	75
EMPLOYMENT AND TRAINING ADMINISTRATION	3,567	4,126	4,994	6,843	7,571	4,800	4,258	5,675

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TABLE 11A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
LABOR-MANAGEMENT SERVICES ADMINISTRATION	-	-	-	313	217	363	131	1,347
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	-	-	200	895	-	-	55
OFFICE OF THE SECRETARY	N/A	-	28	339	1,049	368	586	20
POST OFFICE DEPARTMENT	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	8,220	14,672	16,203	9,062	12,527	10,973	12,027	27,702
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,192	14,618	16,198	8,909	12,301	10,756	11,719	27,412
DEPARTMENTAL FUNDS	26	54	5	153	226	217	308	290
PEACE CORPS	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	10,860	9,587	13,336	18,782	21,542	25,840	14,800	20,000
COAST GUARD	152	202	2,454	1,305	570	676	500	600
FEDERAL AVIATION ADMINISTRATION	100	69	892	1,278	1,060	3,197	800	1,500
FEDERAL HIGHWAY ADMINISTRATION	1,715	1,141	1,663	589	10,200	11,004	5,600	9,200
FEDERAL RAILROAD ADMINISTRATION	557	786	453	449	359	720	700	400
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	4,986	2,530	2,949	8,441	3,900	2,000	3,000	3,000
OFFICE OF THE SECRETARY	-	1,202	175	3,653	3,203	6,039	3,600	3,300
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
URBAN MASS TRANSPORTATION ADMINISTRATION	3,350	3,657	4,750	3,067	2,250	2,204	600	2,000
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	-	-	-	150
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	-
CUSTOMS SERVICE	-	-	-	-	-	-	-	150
OTHER AGENCIES								
ACTION	N/A	-	-	-	-	36	5	-
APPALACHIAN REGIONAL COMMISSION	-	113	-	-	-	-	5	-
ATOMIC ENERGY COMMISSION	100,326	93,906	84,505	82,742	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	3,370	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	186	560	646	827	127
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	93,953	131,858	145,109	N/A
ENVIRONMENTAL PROTECTION AGENCY	18,179	17,034	17,700	18,488	24,121	33,875	29,327	45,810
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	26	226	N/A
FEDERAL HOME LOAN BANK BOARD	99	-	-	2	33	4	34	183
GENERAL SERVICES ADMINISTRATION	-	10	-	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 11A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	131,231	134,039	119,001	111,355	98,904	108,046	118,886	120,928
NATIONAL SCIENCE FOUNDATION	227,960	266,570	362,481	374,486	389,356	434,868	436,588	510,876
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	328	725	2,400	4,453
OFFICE OF ECONOMIC OPPORTUNITY	20,035	16,378	8,257	8,728	-	-	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	-	-	101	150	17	54	-
POSTAL SERVICE	N/A	23	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	91	-	-	-	-	-	47	-
SMITHSONIAN INSTITUTION	1,080	1,691	2,236	2,862	1,923	1,370	848	1,795
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION .	N/A	N/A	-	686	10,014	3,700	-	N/A
TENNESSEE VALLEY AUTHORITY	122	131	86	68	94	133	108	135
US ARMS CONTROL & DISARMAMENT AGENCY	100	40	102	20	58	-	26	30
VETERANS ADMINISTRATION	518	870	886	1,304	1,128	1,112	1,049	1,080

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 11B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	2,411,432	2,551,801	2,908,860	3,377,609	3,894,106	4,276,932	4,515,982	4,777,718
DEPARTMENT OF AGRICULTURE, TOTAL	108,162	119,646	140,059	186,370	199,772	216,405	237,103	277,279
DEPARTMENTS								
AGRICULTURAL COOPERATIVE SERVICE	N/A	N/A	N/A	N/A	N/A	215	400	400
AGRICULTURAL MARKETING SERVICE	N/A	N/A	N/A	N/A	25	25	30	30
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	824	2,184	956	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	376	710	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SERVICE	111	1	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SERVICE	80	168	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SERVICE	N/A	N/A	N/A	N/A	N/A	1,695	2,100	2,100
FOREST SERVICE	5,551	4,718	6,920	10,023	9,506	9,600	10,600	12,000
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	132,315	174,163	189,285	204,870	223,973	262,749
AGRICULTURAL RESEARCH	4,457	4,114	9,587	22,506	23,209	28,095	31,059	37,600
COOPERATIVE RESEARCH	97,587	109,930	122,728	151,657	166,076	176,775	192,914	225,149
TECHNICAL INFORMATION SYSTEMS	-	5	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	21,604	27,883	26,714	35,707	33,227	47,804	44,030	17,028
BUREAU OF THE CENSUS	115	175	167	136	158	356	365	367
ECONOMIC DEVELOPMENT ADMINISTRATION	547	3,373	5,000	7,502	4,100	4,400	3,000	-
MARITIME ADMINISTRATION	493	800	200	500	1,181	658	235	240
MINORITY BUSINESS DEVELOPMENT AGENCY	63	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	741	607	856	619	863	1,070	1,200	1,300
NATIONAL FIRE PREVENTION & CONTROL ADMIN	805	1,179	1,845	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	18,840	21,749	18,646	26,950	26,925	41,320	39,230	15,121
PATENT AND TRADEMARK OFFICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	203,441	240,453	273,335	383,225	438,098	495,314	576,130	709,686
DEPARTMENT OF THE ARMY	40,139	45,793	56,962	61,982	61,056	59,730	61,981	83,405
MILITARY FUNCTIONS	38,415	40,603	56,064	59,648	59,118	57,348	59,570	80,859

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TABLE 11B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	1,724	5,190	898	2,334	1,938	2,382	2,411	2,548
DEPARTMENT OF THE NAVY	57,959	57,678	66,507	179,211	209,369	207,690	228,244	269,168
DEPARTMENT OF THE AIR FORCE	71,768	82,654	104,035	112,438	134,322	190,395	238,744	291,857
DEFENSE AGENCIES	33,383	54,248	45,691	29,374	33,351	37,499	47,161	65,256
DEFENSE CIVIL PREPAREDNESS AGENCY	192	80	140	220	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	69,021	74,279	71,268	43,321
DEPARTMENT OF ENERGY	N/A	N/A	188,184	240,074	260,090	285,014	289,121	280,402
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,279,176	1,365,034	1,504,925	1,702,293	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	76,896	78,168	87,743	94,534	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	4,622	2,941	5,358	6,188	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	8,377	7,682	8,425	11,237	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	1,727	1,700	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	19,811	15,936	7,114	4,800	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	7,147	5,567	6,474	5,518	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	15,000	16,851	16,705	26,412	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,076,633	1,184,517	1,311,431	1,492,975	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	11,997	10,821	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	10,647	21,887	12,040	12,198	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	52,505	24,440	32,786	32,088	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	3,073	3,066	2,567	2,696	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	1,727	2,378	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	2,738	1,601	558	1,126	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,941,917	2,075,627	2,174,177	2,294,286

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TABLE 11B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	115,154	123,758	119,270	119,549
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,670	7,670	4,944	4,933
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	8,433	6,895	6,700	6,800
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	4,968	7,084	7,600	7,600
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	4,794	4,676	4,800	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	6,205	6,715	2,666	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,765,256	1,888,075	1,994,100	2,134,700
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	14,333	11,474	18,000	8,974
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	12,441	12,951	11,250	8,066
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	2,621	2,900	3,095	1,950
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	982	3,429	3,752	3,714
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	2,650	1,534	3,462	5,664	5,070	5,314	4,792	4,708
DEPARTMENT OF THE INTERIOR, TOTAL	28,737	26,399	26,194	36,040	42,981	41,868	32,912	25,680
BONNEVILLE POWER ADMINISTRATION	85	226	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF LAND MANAGEMENT	392	418	330	655	614	938	1,197	1,360
BUREAU OF MINES	7,421	7,384	5,692	7,282	7,216	5,175	5,200	5,200
GEOLOGICAL SURVEY	4,020	3,493	4,140	9,236	10,611	10,645	10,430	10,430
HERITAGE CONSERVATION & RECREATION SVC	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	4,067	4,098	2,720	3,816	2,926	2,091	2,048	5,500
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	477	50	402	287	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	208	2,868	4,867	4,401	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	10,138	9,117	9,781	10,700	13,917	12,100	5,417	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	728	870	800	1,700	2,029	1,920	1,985	1,800
WATER AND POWER RESOURCES SERVICE	1,409	743	2,329	2,156	2,800	4,132	2,234	1,330
DEPARTMENT OF JUSTICE, TOTAL	8,902	3,511	5,746	8,790	9,079	9,189	7,968	4,625
DRUG ENFORCEMENT ADMINISTRATION	418	300	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	42	211	210	461	1,211	300	300	300
OFFICE OF THE ATTORNEY GENERAL	-	-	-	40	868	640	500	300
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	8,442	3,000	5,536	8,289	7,000	8,249	7,168	4,025
DEPARTMENT OF LABOR, TOTAL	5,531	4,975	7,172	11,925	11,579	12,938	13,818	5,618

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TABLE 11B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	75	370	294	150	500	500
EMPLOYMENT AND TRAINING ADMINISTRATION	4,800	4,258	5,675	10,440	10,570	12,166	12,450	4,448
LABOR-MANAGEMENT SERVICES ADMINISTRATION	363	131	1,347	177	700	608	668	668
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	55	231	-	-	-	-
OFFICE OF THE SECRETARY	368	586	20	707	15	14	-	-
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	10,973	12,027	27,702	19,907	281	168	259	259
AGENCY FOR INTERNATIONAL DEVELOPMENT	10,756	11,719	27,412	19,368	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	217	308	290	539	281	168	259	259
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	25,840	14,800	20,000	18,800	19,901	28,200	29,314	29,864
COAST GUARD	676	500	600	500	600	700	800	900
FEDERAL AVIATION ADMINISTRATION	3,197	800	1,500	600	100	244	284	287
FEDERAL HIGHWAY ADMINISTRATION	11,004	5,600	9,200	8,300	9,000	8,168	9,382	9,392
FEDERAL RAILROAD ADMINISTRATION	720	700	400	500	533	766	822	680
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	2,000	3,000	3,000	3,000	2,830	4,554	4,846	5,155
OFFICE OF THE SECRETARY	6,039	3,600	3,300	3,900	100	100	100	100
RESEARCH & SPECIAL PROGRAMS ADMIN	N/A	N/A	-	-	3,900	4,484	3,980	3,850
URBAN MASS TRANSPORTATION ADMINISTRATION	2,204	600	2,000	2,000	2,838	9,184	9,100	9,500
DEPARTMENT OF THE TREASURY, TOTAL	-	-	150	55	143	178	46	-
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	-	-	25	40	-	-
CUSTOMS SERVICE	-	-	150	55	118	138	46	-
OTHER AGENCIES								
ACTION	36	5	-	-	-	-	-	-
APPALACHIAN REGIONAL COMMISSION	-	5	-	-	-	-	-	-
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	646	827	127	-	36	80	117	87
ENERGY RESEARCH & DEVELOPMENT ADMIN	131,858	145,109	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	33,875	29,327	45,610	48,321	49,800	41,083	50,256	37,648
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	1,892	1,665	1,867	2,027
FEDERAL ENERGY ADMINISTRATION	26	226	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL HOME LOAN BANK BOARD	4	34	183	46	-	-	25	45

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TABLE 11B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
GENERAL SERVICES ADMINISTRATION	-	-	-	-	-	-	-	-
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	38,706	77,063	54,270	61,278
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	38,706	77,063	54,270	61,278
NATIONAL AERONAUTICS & SPACE ADMIN	108,046	118,886	120,928	130,176	143,961	171,173	188,000	196,000
NATIONAL SCIENCE FOUNDATION	434,868	436,588	510,876	537,168	616,676	684,919	731,012	779,259
NUCLEAR REGULATORY COMMISSION	725	2,400	4,453	7,981	6,809	5,902	6,987	6,900
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	-	500	910	1,060	-
OFFICE OF TELECOMMUNICATIONS POLICY	17	54	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMALL BUSINESS ADMINISTRATION	-	47	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	1,370	848	1,795	1,994	1,224	-	-	-
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	3,700	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	133	108	135	171	200	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	26	30	109	196	239	50	107
VETERANS ADMINISTRATION	1,112	1,049	1,080	1,294	2,947	1,600	1,600	1,613

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 12A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	444,851	458,786	514,893	578,184	672,224	702,342	708,583	804,498
DEPARTMENT OF AGRICULTURE, TOTAL	1,196	800	612	434	488	221	385	246
DEPARTMENTS								
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
ECONOMIC RESEARCH SERVICE	-	-	27	-	-	-	-	N/A
FOREST SERVICE	-	68	21	103	188	-	67	34
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	212
AGRICULTURAL RESEARCH	896	718	564	331	298	221	318	212
COOPERATIVE RESEARCH	300	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	14	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,169	1,637	4,754	4,930	2,132	8,752	8,463	8,230
BUREAU OF THE CENSUS	-	30	30	30	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	339	558	610	1,720	482	4,742	4,908	3,445
MARITIME ADMINISTRATION	-	-	-	-	-	796	617	815
MINORITY BUSINESS DEVELOPMENT AGENCY	-	-	444	2,054	640	2,459	1,145	2,452
NATIONAL BUREAU OF STANDARDS	-	-	-	80	181	211	150	193
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	-	251	413
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	830	1,049	3,670	981	829	544	1,392	912
UNITED STATES TRAVEL SERVICE	-	-	-	65	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	78,977	81,473	115,580	98,295	110,408	114,447	110,495	108,510
DEPARTMENT OF THE ARMY	21,288	23,987	32,808	27,794	20,003	14,978	16,069	20,299
MILITARY FUNCTIONS	21,211	23,912	32,733	27,794	20,003	14,978	16,069	20,299
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	75	75	75	-	-	-	-	-

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TABLE 12A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE NAVY	12,711	10,244	11,605	9,652	55,536	59,460	53,151	51,262
DEPARTMENT OF THE AIR FORCE	32,103	33,510	37,479	34,761	11,120	15,208	9,883	15,882
DEFENSE AGENCIES	11,813	12,876	32,431	24,949	22,827	24,385	31,217	20,791
DEFENSE CIVIL PREPAREDNESS AGENCY	1,064	856	1,257	1,139	920	416	175	276
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	40,882
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	184,371	216,484	249,868	298,775	387,668	367,137	400,044	460,268
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	15,649	30,917	19,442	17,079	26,323
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,109	2,294	5,061	5,945	4,904
FOOD & DRUG ADMINISTRATION	1,007	709	1,585	1,822	3,061	1,079	1,007	2,193
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,500
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	15,582	15,751	8,771	9,245	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	2,947	2,974	3,527	3,944	3,111
HEALTH SERVICES & MENTAL HEALTH ADMIN	30,321	39,413	45,020	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	42,732	37,196	33,794	23,982	24,566
NATIONAL INSTITUTES OF HEALTH	121,393	145,839	171,216	183,105	264,470	281,836	306,011	355,829
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	475	659	962
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	-	-	-	-	-	8,638
OFFICE OF CHILD DEVELOPMENT	250	3,346	7,745	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	21,596	18,363	11,233	5,810	5,788	4,732	6,356	5,317
OFFICE OF HUMAN DEVELOPMENT SERVICES	-	-	-	16,565	13,649	1,325	19,151	21,851
OFFICE OF THE SECRETARY	-	-	-	-	9,107	5,907	4,250	4,540
SOCIAL & REHABILITATION SERVICE	9,769	8,781	12,893	13,393	2,461	1,188	1,786	N/A
SOCIAL SECURITY ADMINISTRATION	35	33	176	61	-	-	629	534
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 12A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	3,121	1,097	5,073	7,147	10,001	9,008	10,469	15,081
DEPARTMENT OF THE INTERIOR, TOTAL	2,540	4,605	4,698	16,567	579	296	-	50
BUREAU OF MINES	172	931	460	267	516	-	-	-
GEOLOGICAL SURVEY	-	-	-	35	-	-	-	-
HERITAGE CONSERVATION & RECREATION SVC	-	75	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	18	296	-	50
OFFICE OF COAL RESEARCH	1,518	2,387	3,383	15,316	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	515	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	N/A	N/A	N/A	N/A	45	-	-	-
OFFICE OF SALINE WATER	456	490	580	-	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	196	546	126	346	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	198	176	149	86	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	812	2,513	416	5,272	15,192	23,151	9,644	9,578
DRUG ENFORCEMENT ADMINISTRATION	331	210	352	148	286	-	100	-
FEDERAL PRISON SYSTEM	10	31	54	50	4	50	70	272
OFFICE OF THE ATTORNEY GENERAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	471	2,272	10	5,074	14,902	23,101	9,474	9,306
DEPARTMENT OF LABOR, TOTAL	4,138	4,864	4,156	2,340	2,656	4,418	5,859	4,833
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION	4,138	4,786	4,057	1,854	2,094	4,049	5,554	4,633
LABOR-MANAGEMENT SERVICES ADMINISTRATION	-	-	64	85	356	-	126	200
OCCUPATIONAL SAFETY & HEALTH ADMIN	N/A	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	N/A	78	35	401	206	369	179	-
POST OFFICE DEPARTMENT	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	11,159	3,809	2,076	8,152	2,386	5,051	7,586	18,034

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TABLE 12A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
AGENCY FOR INTERNATIONAL DEVELOPMENT	11,139	3,765	1,919	8,052	2,383	4,998	7,434	17,844
DEPARTMENTAL FUNDS	3	44	157	100	3	53	152	190
PEACE CORPS	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	7,212	2,113	6,642	8,462	7,254	5,312	3,624	8,088
COAST GUARD	-	-	396	867	697	479	270	378
FEDERAL AVIATION ADMINISTRATION	-	-	-	853	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	390	504	418	462	677	705	434	1,875
FEDERAL RAILROAD ADMINISTRATION	-	73	-	1,305	483	450	571	365
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,961	1,147	4,699	4,690	4,208	2,636	1,532	4,974
OFFICE OF THE SECRETARY	-	-	-	203	695	787	585	498
URBAN MASS TRANSPORTATION ADMINISTRATION	2,861	389	1,129	82	494	255	232	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ACTION	N/A	12	-	-	153	40	25	378
APPALACHIAN REGIONAL COMMISSION	-	-	-	-	-	-	-	-
ATOMIC ENERGY COMMISSION	9,719	8,221	10,611	8,633	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	6,575	22,075	9,236	22,477
CONSUMER PRODUCT SAFETY COMMISSION	N/A	N/A	-	-	-	1,298	492	1,480
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	28,043	48,861	48,501	N/A
ENVIRONMENTAL PROTECTION AGENCY	7,266	1,828	4,556	11,641	18,263	13,411	17,572	24,247
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GENERAL SERVICES ADMINISTRATION	17	38	48	131	556	282	50	108
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	30,974	26,751	22,505	12,808	38,589	28,139	28,446	28,857
NATIONAL SCIENCE FOUNDATION	15,945	7,841	18,300	32,697	37,318	41,603	33,774	35,631
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	227	1,034	2,400	2,837
OFFICE OF ECONOMIC OPPORTUNITY	85,907	93,437	65,844	59,675	-	-	N/A	N/A
OFFICE OF EMERGENCY PREPAREDNESS	75	75	85	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	127	153	-	-	-	197	-
POSTAL SERVICE	N/A	313	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	-	67	15	24	59	171	208	583

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TABLE 12A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	N/A	N/A	-	-	850	-	-	N/A
TENNESSEE VALLEY AUTHORITY	-	-	1	1,220	6,231	8,675	10,670	13,322
US ARMS CONTROL & DISARMAMENT AGENCY	200	373	308	164	159	75	248	373
VETERANS ADMINISTRATION	50	308	512	817	441	887	195	825

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 12B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	702,342	708,583	804,496	1,004,187	1,035,614	1,133,868	1,102,420	1,092,991
DEPARTMENT OF AGRICULTURE, TOTAL	221	385	246	268	322	293	442	483
DEPARTMENTS								
ECONOMICS, STAT & COOPERATIVES SERVICE	N/A	N/A	-	-	-	N/A	N/A	N/A
ECONOMIC RESEARCH SERVICE	-	-	N/A	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	-	67	34	47	179	95	110	121
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	212	221	143	198	332	362
AGRICULTURAL RESEARCH	221	318	212	221	143	198	332	362
COOPERATIVE RESEARCH	-	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	8,752	8,463	8,230	19,890	19,175	13,370	9,244	1,397
BUREAU OF THE CENSUS	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	4,742	4,908	3,445	17,380	16,668	11,318	7,373	-
MARITIME ADMINISTRATION	796	617	815	437	100	-	-	-
MINORITY BUSINESS DEVELOPMENT AGENCY	2,459	1,145	2,452	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	211	150	193	842	97	169	-	-
NATIONAL FIRE PREVENTION & CONTROL ADMIN	-	251	413	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	544	1,392	912	1,231	2,310	1,883	1,871	1,397
UNITED STATES TRAVEL SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	114,447	110,495	108,510	109,845	118,969	114,365	129,862	148,456
DEPARTMENT OF THE ARMY	14,978	16,069	20,299	24,891	34,982	17,480	21,224	18,467
MILITARY FUNCTIONS	14,978	16,069	20,299	24,815	34,928	17,380	21,131	18,367
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	76	54	100	93	100

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TABLE 12B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE NAVY	59,460	53,151	51,262	51,132	37,273	38,677	34,303	34,479
DEPARTMENT OF THE AIR FORCE	15,208	9,883	15,882	11,924	22,728	33,695	44,969	58,229
DEFENSE AGENCIES	24,385	31,217	20,791	20,421	23,988	28,513	29,366	37,281
DEFENSE CIVIL PREPAREDNESS AGENCY	416	175	276	1,477	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	57,489	41,753	41,882	33,676
DEPARTMENT OF ENERGY	N/A	N/A	40,882	48,070	57,032	58,487	61,127	48,422
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	367,137	400,044	460,268	501,113	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	19,442	17,079	28,323	23,692	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	5,061	5,945	4,904	3,746	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	1,079	1,007	2,193	5,005	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	1,500	970	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	8,771	9,245	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES ADMINISTRATION	3,527	3,944	3,111	2,786	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	33,794	23,982	24,566	32,543	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	281,836	308,011	355,829	383,573	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	475	659	962	1,178	N/A	N/A	N/A	N/A
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	-	-	8,638	9,581	N/A	N/A	N/A	N/A
OFFICE OF CHILD DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	4,732	6,356	5,317	6,004	N/A	N/A	N/A	N/A
OFFICE OF HUMAN DEVELOPMENT SERVICES	1,325	19,151	21,851	24,038	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	5,907	4,250	4,540	7,401	N/A	N/A	N/A	N/A
SOCIAL & REHABILITATION SERVICE	1,188	1,786	N/A	N/A	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	-	629	534	596	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	526,249	547,557	543,112	604,958
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	32,600	30,932	29,048	29,203
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	5,021	5,209	4,712	4,712

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TABLE 12B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	4,531	2,255	2,300	2,300
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	90	-	-	-
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	N/A	N/A	-	310	200	-
HEALTH SERVICES ADMINISTRATION	N/A	N/A	N/A	N/A	13,756	10,491	3,138	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	433,070	467,705	474,504	508,862
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	N/A	N/A	N/A	N/A	4,195	2,034	2,246	1,875
OFFICE OF HUMAN DEVELOPMENT SERVICES	N/A	N/A	N/A	N/A	24,709	19,387	17,629	50,251
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	8,154	8,768	8,724	7,150
SOCIAL SECURITY ADMINISTRATION	N/A	N/A	N/A	N/A	123	466	611	605
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	9,008	10,469	15,081	18,697	13,928	15,793	14,175	13,839
DEPARTMENT OF THE INTERIOR, TOTAL	296	-	50	3,599	4,312	4,274	4,100	4,370
BUREAU OF MINES	-	-	-	2,492	3,325	3,360	3,400	3,400
GEOLOGICAL SURVEY	-	-	-	-	-	-	-	-
HERITAGE CONSERVATION & RECREATION SVC	-	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	296	-	50	178	25	157	200	500
OFFICE OF COAL RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	929	516	278	-	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	-	-	-	-	-	-	-	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF WATER RESOURCES RESEARCH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UNITED STATES FISH AND WILDLIFE SERVICE	-	-	-	-	446	479	500	470
DEPARTMENT OF JUSTICE, TOTAL	23,151	9,644	9,578	35,186	22,030	19,413	15,326	10,205
DRUG ENFORCEMENT ADMINISTRATION	-	100	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	50	70	272	-	935	900	900	900
OFFICE OF THE ATTORNEY GENERAL	-	-	-	1,171	450	10	-	100
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	23,101	9,474	9,306	34,015	20,645	18,503	14,426	9,205
DEPARTMENT OF LABOR, TOTAL	4,418	5,859	4,833	69,334	15,785	87,803	66,689	4,641
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	216	1,330	400	400	400
EMPLOYMENT AND TRAINING ADMINISTRATION	4,049	5,554	4,633	68,204	14,280	86,484	65,669	3,621
LABOR-MANAGEMENT SERVICES ADMINISTRATION	-	126	200	566	175	575	620	620
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	-	327	-	-
OFFICE OF THE SECRETARY	369	179	-	348	-	17	-	-

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TABLE 12B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	5,051	7,586	18,034	22,029	446	249	85	85
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,998	7,434	17,844	21,727	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	53	152	190	302	446	249	85	85
PEACE CORPS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	5,312	3,624	8,088	10,252	16,319	15,910	17,404	17,640
COAST GUARD	479	270	378	507	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	9,262	8,794	10,249	10,369
FEDERAL HIGHWAY ADMINISTRATION	705	434	1,875	1,635	1,259	1,172	1,322	1,322
FEDERAL RAILROAD ADMINISTRATION	450	571	365	462	1,109	1,149	1,233	1,020
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	2,636	1,532	4,974	7,136	2,595	3,656	3,950	4,279
OFFICE OF THE SECRETARY	787	585	496	512	-	-	-	-
URBAN MASS TRANSPORTATION ADMINISTRATION	255	232	-	-	2,094	1,139	650	650
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	-	84	-	116
INTERNAL REVENUE SERVICE	-	-	-	-	-	84	-	116
OTHER AGENCIES								
ACTION	40	25	376	1,352	1,458	-	-	-
APPALACHIAN REGIONAL COMMISSION	-	-	-	-	122	-	-	-
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMMUNITY SERVICES ADMINISTRATION	22,075	9,236	22,477	22,780	19,158	28,824	13,080	-
CONSUMER PRODUCT SAFETY COMMISSION	1,296	492	1,480	35	84	38	-	-
ENERGY RESEARCH & DEVELOPMENT ADMIN	46,861	48,501	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	13,411	17,572	24,247	40,893	40,170	35,655	34,656	38,280
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	2,978	2,385	3,062	3,645
GENERAL SERVICES ADMINISTRATION	282	50	108	122	32	33	33	34
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	12,991	8,288	3,537	5,970
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	12,991	8,288	3,537	5,970
NATIONAL AERONAUTICS & SPACE ADMIN	28,139	28,446	28,657	39,500	45,393	76,897	81,800	91,000
NATIONAL SCIENCE FOUNDATION	41,603	33,774	35,631	41,218	40,061	41,757	39,100	38,835
NUCLEAR REGULATORY COMMISSION	1,034	2,400	2,837	3,087	2,963	1,760	2,769	2,565
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 12B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
OFFICE OF EMERGENCY PREPAREDNESS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF PERSONNEL MANAGEMENT	N/A	N/A	N/A	-	-	520	300	-
OFFICE OF TELECOMMUNICATIONS POLICY	-	197	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION	171	208	563	906	1,992	-	-	-
SPEC ACTION OFF FOR DRUG ABUSE PREVENTION	-	-	N/A	N/A	N/A	N/A	N/A	N/A
TENNESSEE VALLEY AUTHORITY	8,675	10,670	13,322	14,227	15,756	18,000	20,500	24,100
US ARMS CONTROL & DISARMAMENT AGENCY	75	248	373	312	174	360	135	274
VETERANS ADMINISTRATION	887	195	625	798	228	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 13A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	430,703	480,150	529,897	582,376	592,827	703,652	813,844	1,112,720
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	-	150	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	-	-	150	-
DEPARTMENT OF DEFENSE, TOTAL	15,088	7,459	6,320	2,449	947	1,442	81,730	109,415
DEPARTMENT OF THE ARMY	-	-	-	-	118	128	153	247
MILITARY FUNCTIONS	-	-	-	-	118	128	153	247
DEPARTMENT OF THE NAVY	-	-	-	-	-	-	81,014	108,783
DEFENSE AGENCIES	14,969	7,148	6,020	1,714	259	1,238	531	405
DEFENSE CIVIL PREPAREDNESS AGENCY	119	310	300	235	119	78	32	-
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	500	451	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	920,408
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	-	-	-	-	-	25,800	35,990	23,284
NATIONAL INSTITUTES OF HEALTH	-	-	-	-	-	25,800	35,990	23,284
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	300	-	600	350	980	498	589	-
DEPARTMENT OF THE INTERIOR, TOTAL	1,372	1,383	752	696	-	-	-	-

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TABLE 13A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF THE SECRETARY	-	-	-	696	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	N/A	N/A	N/A	N/A	-	-	-	-
OFFICE OF SALINE WATER	1,372	1,383	752	-	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	-	-	-
DEPARTMENTAL FUNDS	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	2	-	-	-	-	-	-
OFFICE OF THE SECRETARY	-	2	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	409,649	465,616	514,955	572,549	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	552,328	629,163	640,138	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	4,294	3,131	2,493	2,803	448	41	-	-
NATIONAL SCIENCE FOUNDATION	-	2,559	4,777	3,529	2,905	2,227	2,127	397
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	35,136	44,411	52,970	59,110
SMITHSONIAN INSTITUTION	-	-	-	-	3	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	80	70	150	108

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 13B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	703,652	813,844	1,112,720	1,242,482	1,318,096	1,408,062	1,452,449	1,536,328
DEPARTMENT OF COMMERCE, TOTAL	-	150	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	150	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,442	81,730	109,415	99,012	114,541	91,641	106,108	139,599
DEPARTMENT OF THE ARMY	128	153	247	103	695	1,534	3,703	3,320
MILITARY FUNCTIONS	128	153	247	103	695	1,534	3,703	3,320
DEPARTMENT OF THE NAVY	-	81,014	108,763	97,567	111,691	86,501	96,798	130,000
DEFENSE AGENCIES	1,238	531	405	1,260	2,155	3,606	5,607	6,279
DEFENSE CIVIL PREPAREDNESS AGENCY	76	32	-	82	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	-	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	920,408	1,033,729	1,084,351	1,166,157	1,178,327	1,211,892
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	25,800	35,990	23,284	31,456	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	25,800	35,990	23,284	31,456	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	29,148	32,569	35,240	41,443
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	29,148	32,569	35,240	41,443
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	498	589	-	-	-	-	-	-

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TABLE 13B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	193	-	-	86	60
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	193	-	-	86	60
OFFICE OF WATER RESEARCH & TECHNOLOGY	-	-	-	-	-	-	-	-
OFFICE OF SALINE WATER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	-	-	-	45	-	-	40	40
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	45	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	-	-	-	-	-	-	40	40
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	629,163	640,138	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	41	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,227	2,127	397	1,674	1,997	1,754	1,814	1,834
NUCLEAR REGULATORY COMMISSION	44,411	52,970	59,110	76,373	88,059	115,941	130,834	141,460
SMITHSONIAN INSTITUTION	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	70	150	106	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 14A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	751,126	728,887	760,559	725,310	789,136	935,076	1,081,115	1,328,809
DEPARTMENT OF COMMERCE, TOTAL	-	35	-	-	-	73	658	1,198
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	-	451	347
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	35	-	-	-	73	207	851
DEPARTMENT OF DEFENSE, TOTAL	139,906	141,979	147,514	138,195	152,769	161,488	156,347	215,478
DEPARTMENT OF THE ARMY	26,583	28,413	19,629	20,388	10,737	20,891	12,520	14,212
MILITARY FUNCTIONS	26,443	28,398	19,629	20,388	10,737	20,891	12,520	14,212
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	140	15	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	65,505	72,110	81,935	67,525	87,087	82,316	88,839	151,025
DEPARTMENT OF THE AIR FORCE	26,395	25,507	25,496	29,820	31,313	26,268	28,614	29,508
DEFENSE AGENCIES	21,403	15,909	20,454	20,462	23,632	32,013	26,374	20,733
DEFENSE CIVIL PREPAREDNESS AGENCY	20	40	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	941,145
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	8,031	7,155	9,210	1,070	3,962	4,765	5,847	6,316
FOOD & DRUG ADMINISTRATION	-	-	4	-	-	-	-	-
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	-	500	-	-	-
NATIONAL INSTITUTES OF HEALTH	98	437	732	1,070	3,462	4,508	5,678	6,316
OFFICE OF EDUCATION	7,933	6,718	8,474	-	-	257	169	-

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TABLE 14A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	-	550	400	530	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	152	-	-	218	661	-
BUREAU OF MINES	-	-	152	-	-	213	661	-
GEOLOGICAL SURVEY	-	-	-	-	-	5	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
UNITED STATES FISH AND WILDLIFE SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	19	-	280	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	-	-	19	-	280	-	-	-
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	349	593	296	25
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION	-	-	-	-	-	329	166	-
OFFICE OF THE SECRETARY	N/A	-	-	-	349	264	130	25
DEPARTMENT OF STATE, TOTAL	-	-	-	5	-	-	-	-
DEPARTMENTAL FUNDS	-	-	-	5	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,468	6,140	772	4,591	3,620	2,638	2,354	719
COAST GUARD	-	-	-	3,303	813	260	121	270
FEDERAL AVIATION ADMINISTRATION	-	-	-	123	2,040	1,640	1,425	200
FEDERAL HIGHWAY ADMINISTRATION	-	100	104	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	-	-	266	250	-	-	-	-
OFFICE OF THE SECRETARY	160	150	28	429	597	681	798	249
URBAN MASS TRANSPORTATION ADMINISTRATION	1,308	5,890	374	486	170	57	10	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	-	-	-	-
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	-

CONTINUED ON NEXT PAGE

TABLE 14A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	448,001	432,287	438,089	464,184	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	498,950	629,518	754,381	N/A
ENVIRONMENTAL PROTECTION AGENCY	1,267	-	-	88	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	17	-	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	126,785	109,194	123,969	77,799	83,267	89,255	83,625	91,945
NATIONAL SCIENCE FOUNDATION	25,668	31,527	40,434	38,848	44,522	40,143	45,448	47,768
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	1,417	6,368	11,500	22,205
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	-	-	-	10

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 14B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	935,076	1,061,115	1,326,809	1,325,629	1,510,999	1,591,573	1,725,571	1,882,671
DEPARTMENT OF COMMERCE, TOTAL	73	658	1,198	161	378	491	650	900
NATIONAL FIRE PREVENTION & CONTROL ADMIN	-	451	347	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	73	207	851	161	378	491	650	900
DEPARTMENT OF DEFENSE, TOTAL	161,488	156,347	215,478	85,035	121,029	149,141	152,717	192,632
DEPARTMENT OF THE ARMY	20,891	12,520	14,212	16,753	19,128	21,581	23,350	24,662
MILITARY FUNCTIONS	20,891	12,520	14,212	16,753	19,128	21,581	23,350	24,662
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	82,316	88,839	151,025	18,604	26,528	16,846	6,185	17,749
DEPARTMENT OF THE AIR FORCE	26,268	28,614	29,508	31,582	48,422	60,651	67,588	78,751
DEFENSE AGENCIES	32,013	26,374	20,733	18,096	26,951	50,063	55,594	71,470
DEFENSE CIVIL PREPAREDNESS AGENCY	-	-	-	-	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	941,145	1,064,822	1,169,291	1,185,210	1,333,099	1,415,812
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	4,765	5,847	6,316	8,312	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	-	-	-	-	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	-	-	-	-	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	4,508	5,678	6,316	8,312	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	257	169	-	-	N/A	N/A	N/A	N/A

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TABLE 14B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	11,158	11,426	13,011	15,193
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	11,158	11,426	13,011	15,193
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	218	661	-	352	645	307	700	675
BUREAU OF MINES	213	661	-	198	294	300	300	300
GEOLOGICAL SURVEY	5	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	N/A	N/A	-	158	-	-	-	-
UNITED STATES FISH AND WILDLIFE SERVICE	-	-	-	-	351	7	400	375
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	-	-	-	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	593	298	25	3	35	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	3	10	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION	329	168	-	-	-	-	-	-
OFFICE OF THE SECRETARY	264	130	25	-	25	-	-	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	20	20	20
DEPARTMENTAL FUNDS	-	-	-	-	-	20	20	20
DEPARTMENT OF TRANSPORTATION, TOTAL	2,638	2,354	719	210	340	3,710	4,348	4,391
COAST GUARD	260	121	270	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	1,640	1,425	200	210	-	3,300	3,848	3,891
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	681	798	249	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMINISTRATION	57	10	-	-	340	410	500	500
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	55	48	-	-
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	-	-	55	48	-	-

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TABLE 14B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	629,518	754,381	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-
FEDERAL ENERGY ADMINISTRATION	17	-	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	89,255	83,625	91,945	91,447	115,717	155,220	128,560	151,272
NATIONAL SCIENCE FOUNDATION	40,143	45,446	47,768	53,474	67,364	58,890	62,270	69,139
NUCLEAR REGULATORY COMMISSION	6,368	11,500	22,205	21,354	24,696	26,688	30,048	32,330
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	10	162	291	422	150	307

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 15A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	247,439	210,216	215,437	183,057	199,324	219,918	231,038	263,875
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	196	101	68	173
DEPARTMENTS								
FOREST SERVICE	-	-	-	-	196	101	68	173
DEPARTMENT OF COMMERCE, TOTAL	3	-	-	-	100	38	382	223
MARITIME ADMINISTRATION	-	-	-	-	100	-	183	223
NATIONAL FIRE PREVENTION & CONTROL ADMIN	N/A	N/A	-	-	-	-	65	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	38	134	-
PATENT AND TRADEMARK OFFICE	3	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	154,763	151,348	144,640	131,304	140,952	146,699	145,618	162,833
DEPARTMENT OF THE ARMY	14,941	15,912	15,508	4,665	4,725	1,566	2,182	4,063
MILITARY FUNCTIONS	14,941	15,912	15,508	4,665	4,725	1,566	2,182	4,063
DEPARTMENT OF THE NAVY	44	300	2,315	2,332	3,647	3,849	4,688	4,977
DEPARTMENT OF THE AIR FORCE	113,564	109,685	101,830	105,248	109,393	115,944	120,760	133,444
DEFENSE AGENCIES	25,678	25,186	24,628	17,358	21,339	23,233	16,232	18,352
DEFENSE CIVIL PREPAREDNESS AGENCY	536	285	359	295	122	151	63	65
DIRECTOR OF TEST & EVALUATION, DEFENSE	N/A	N/A	N/A	1,406	1,726	1,956	1,693	1,932

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TABLE 15A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	76,787
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	27,735	27,295	25,868	1,354	2,959	4,469	4,848	2,701
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	57	69	339	-
HEALTH RESOURCES ADMINISTRATION	N/A	N/A	-	-	387	220	-	-
NATIONAL INSTITUTES OF HEALTH	699	1,118	1,769	1,354	2,515	4,052	3,535	2,701
OFFICE OF ASST'T SECY FOR EDUCATION	-	-	-	-	-	-	303	-
OFFICE OF EDUCATION	27,036	26,177	24,099	-	-	128	169	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	-	-	302	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	165	-	1,162	2,500	6,324	5,195	7,487	-
DEPARTMENT OF THE INTERIOR, TOTAL	97	796	-	-	-	239	378	202
BONNEVILLE POWER ADMINISTRATION	-	-	-	-	-	9	198	N/A
BUREAU OF MINES	97	796	-	-	-	230	180	202
UNITED STATES FISH AND WILDLIFE SERVICE	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	4,850	4,437	5,579	2,405	11,259	1,764
DRUG ENFORCEMENT ADMINISTRATION	-	-	-	-	375	400	750	750
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	-	-	4,850	4,437	5,204	2,005	10,509	1,014
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	100	3	-	-
OFFICE OF THE SECRETARY	N/A	-	-	-	100	3	-	-
POST OFFICE DEPARTMENT	794	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	-	38	94	112	162	304	89	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	221	-	-
DEPARTMENTAL FUNDS	-	38	94	112	162	83	89	-

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TABLE 15A. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF TRANSPORTATION, TOTAL	1,498	6,988	9,532	9,256	12,629	10,322	10,999	10,552
FEDERAL AVIATION ADMINISTRATION	923	3,742	7,609	6,959	11,564	9,327	9,896	9,847
FEDERAL HIGHWAY ADMINISTRATION	-	16	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	287	863	819	1,535	1,065	995	1,103	705
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	123	205	-	-	-	-	-
OFFICE OF THE SECRETARY	288	313	-	762	-	-	-	-
URBAN MASS TRANSPORTATION ADMINISTRATION	-	1,931	899	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	-	-	-	-	-	855
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	N/A	N/A	-	-	-	-	-	840
CUSTOMS SERVICE	-	-	-	-	-	-	-	15
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	59,881	19,741	16,140	18,592	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	21,882	38,418	39,075	N/A
ENVIRONMENTAL PROTECTION AGENCY	337	230	1,113	1,790	1,345	1,602	913	685
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FEDERAL ENERGY ADMINISTRATION	N/A	N/A	N/A	N/A	-	-	156	N/A
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	979	402	3,794	3,382	637	1,609	3,072	1,461
NATIONAL SCIENCE FOUNDATION	847	1,855	5,568	70	4,289	3,360	2,338	527
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	2,017	4,584	4,060	5,062
OFFICE OF ECONOMIC OPPORTUNITY	312	1,252	2,464	9,948	-	-	N/A	N/A
OFFICE OF TELECOMMUNICATIONS POLICY	N/A	-	-	-	-	217	47	-
POSTAL SERVICE	N/A	271	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	28	-	212	314	153	353	449	50

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 15B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	219,918	231,038	263,875	315,917	368,734	441,836	522,295	445,171
DEPARTMENT OF AGRICULTURE, TOTAL	101	68	173	-	-	-	-	-
DEPARTMENTS								
FOREST SERVICE	101	68	173	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	38	382	223	189	-	163	165	138
MARITIME ADMINISTRATION	-	183	223	189	-	-	-	-
NATIONAL FIRE PREVENTION & CONTROL ADMIN	-	65	-	N/A	N/A	N/A	N/A	N/A
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	38	134	-	-	-	163	165	138
PATENT AND TRADEMARK OFFICE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	146,699	145,618	162,833	186,518	211,655	254,881	310,981	365,984
DEPARTMENT OF THE ARMY	1,566	2,182	4,063	5,141	6,285	7,477	8,823	10,927
MILITARY FUNCTIONS	1,566	2,182	4,063	5,141	6,285	7,477	8,823	10,927
DEPARTMENT OF THE NAVY	3,849	4,688	4,977	5,586	4,215	6,480	6,491	6,458
DEPARTMENT OF THE AIR FORCE	115,944	120,760	133,444	154,485	178,880	210,716	260,633	311,624
DEFENSE AGENCIES	23,233	16,232	18,352	18,851	19,576	26,696	32,132	33,383
DEFENSE CIVIL PREPAREDNESS AGENCY	151	63	65	269	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION, DEFENSE	1,956	1,693	1,932	2,186	2,699	3,512	2,902	3,572

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TABLE 15B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	280	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	76,787	102,512	139,668	171,635	194,914	55,608
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	4,469	4,648	2,701	1,888	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	69	339	-	250	N/A	N/A	N/A	N/A
HEALTH RESOURCES ADMINISTRATION	220	-	-	-	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	4,052	3,535	2,701	1,638	N/A	N/A	N/A	N/A
OFFICE OF ASST'T SECY FOR EDUCATION	-	303	-	-	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	128	169	-	-	N/A	N/A	N/A	N/A
SOCIAL SECURITY ADMINISTRATION	-	302	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,845	689	837	4,452
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,845	689	837	1,102
OFFICE OF THE SECRETARY	N/A	N/A	N/A	N/A	-	-	-	3,350
DEPARTMENT OF HOUSING & URBAN DEVELOPMENT	5,195	7,487	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	239	378	202	-	281	322	380	360
BONNEVILLE POWER ADMINISTRATION	9	198	N/A	N/A	N/A	N/A	N/A	N/A
BUREAU OF MINES	230	180	202	-	217	307	300	300
UNITED STATES FISH AND WILDLIFE SERVICE	-	-	-	-	64	15	80	60
DEPARTMENT OF JUSTICE, TOTAL	2,405	11,259	1,764	450	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	400	750	750	-	-	-	-	-
OFF OF JUSTICE ASSISTANCE, RSCH, & STAT	2,005	10,509	1,014	450	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	3	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	3	-	-	-	-	-	-	-
POST OFFICE DEPARTMENT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF STATE, TOTAL	304	89	-	-	69	-	50	50
AGENCY FOR INTERNATIONAL DEVELOPMENT	221	-	-	-	N/A	N/A	N/A	N/A
DEPARTMENTAL FUNDS	83	89	-	-	69	-	50	50

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TABLE 15B. FEDERAL OBLIGATIONS FOR R&D PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF TRANSPORTATION, TOTAL	10,322	10,999	10,552	11,325	-	-	-	1,700
FEDERAL AVIATION ADMINISTRATION	9,327	9,896	9,847	10,420	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION	995	1,103	705	905	-	-	-	1,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMINISTRATION	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	-	-	855	1,900	1,251	967	348	515
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	-	-	840	1,900	1,251	967	198	-
CUSTOMS SERVICE	-	-	15	-	-	-	150	515
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	38,418	39,075	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	1,602	913	685	1,381	1,350	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	N/A	N/A	N/A	-	125	100	149	191
FEDERAL ENERGY ADMINISTRATION	-	156	N/A	N/A	N/A	N/A	N/A	N/A
INTERNAT'L DEVELOPMENT COOPERATION AGENCY	N/A	N/A	N/A	N/A	299	481	360	630
AGENCY FOR INTERNATIONAL DEVELOPMENT	N/A	N/A	N/A	N/A	299	481	360	630
NATIONAL AERONAUTICS & SPACE ADMIN	1,609	3,072	1,461	881	380	602	590	590
NATIONAL SCIENCE FOUNDATION	3,360	2,338	527	870	178	265	240	360
NUCLEAR REGULATORY COMMISSION	4,584	4,060	5,062	7,993	11,297	11,731	13,283	14,615
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF TELECOMMUNICATIONS POLICY	217	47	-	-	-	-	-	-
POSTAL SERVICE	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	353	449	50	10	60	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 16A. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	4,900,798	5,123,171	5,547,696	5,581,429	6,175,240	6,729,708	7,619,332	8,514,115
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	271,925	292,152	337,169	354,106	365,064	401,944	442,224	524,020
FOREST SERVICE	41,933	45,111	52,947	56,104	62,287	73,256	74,503	86,110
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	408,243
AGRICULTURAL RESEARCH	152,463	161,846	183,859	189,733	193,367	204,097	227,584	280,978
COOPERATIVE RESEARCH	61,052	67,762	82,584	89,406	89,421	101,141	113,389	127,265
TECHNICAL INFORMATION SYSTEMS	208	391	228	275	143	6	8	-
OTHER AGRICULTURE	16,264	17,042	17,551	18,588	19,866	23,444	26,740	29,667
DEPARTMENT OF COMMERCE, TOTAL	94,114	113,674	143,394	130,155	129,189	144,420	155,713	176,129
NATIONAL BUREAU OF STANDARDS	27,055	28,655	29,836	31,013	32,660	34,747	37,530	44,954
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	52,915	65,561	90,241	89,127	87,119	99,713	104,870	115,776
OTHER COMMERCE	14,144	19,458	23,317	10,015	9,410	9,960	13,313	15,399
DEPARTMENT OF DEFENSE, TOTAL	1,329,900	1,309,263	1,504,554	1,436,079	1,434,408	1,431,007	1,527,481	1,715,845
DEPARTMENT OF THE ARMY	322,096	309,901	371,532	377,081	368,495	336,372	362,395	397,993
MILITARY FUNCTIONS	314,712	303,447	364,874	372,029	360,795	330,622	349,570	382,978
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	7,384	6,454	6,658	5,052	5,700	5,750	12,825	15,015
DEPARTMENT OF THE NAVY	355,955	353,945	406,410	386,348	401,331	406,491	437,950	497,362
DEPARTMENT OF THE AIR FORCE	324,524	321,924	342,297	340,985	341,651	355,842	382,302	425,775
DEFENSE AGENCIES	323,234	320,466	380,353	328,474	322,239	330,634	344,134	393,415
OTHER DOD	4,091	3,027	3,962	3,191	2,692	1,668	700	1,300
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	891,266
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,040,927	1,231,919	1,432,028	1,444,199	1,846,692	1,924,830	2,150,733	2,414,280
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	122,191	155,816	139,425	136,617	151,968
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	38,344	44,942	42,564	49,596	55,273

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TABLE 16A. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	21,805	25,643	30,384	30,183	43,521	35,896	37,077	42,872
HEALTH SERVICES & MENTAL HEALTH ADMIN	160,358	179,157	200,479	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	16,122	9,538	4,068	10,798	27,120
NATIONAL INSTITUTES OF HEALTH	780,444	913,489	1,099,350	1,132,050	1,489,640	1,604,217	1,767,692	1,968,658
OFFICE OF EDUCATION	33,066	62,773	36,048	6,644	6,443	5,268	21,428	11,892
OTHER HEW	45,254	50,857	65,767	98,665	96,992	93,394	127,525	156,499
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	7,097	10,496	12,660	18,376	33,790	33,495	36,945	32,720
DEPARTMENT OF THE INTERIOR, TOTAL	120,590	136,856	147,313	160,161	143,498	234,053	259,458	255,942
BUREAU OF MINES	33,894	38,739	40,651	41,454	30,517	52,912	73,300	52,322
GEOLOGICAL SURVEY	39,861	41,931	51,535	62,881	66,234	106,616	110,324	117,468
OTHER INTERIOR	46,835	56,186	55,127	55,826	46,747	74,525	75,834	86,152
DEPARTMENT OF JUSTICE	5,334	6,525	12,400	7,039	18,564	18,895	18,317	17,584
DEPARTMENT OF LABOR	11,286	13,622	13,261	13,326	17,225	15,278	18,000	18,727
DEPARTMENT OF STATE, TOTAL	18,895	28,975	25,717	24,611	17,804	22,458	25,128	38,270
AGENCY FOR INTERNATIONAL DEVELOPMENT	18,627	28,625	25,167	23,861	16,753	21,715	24,007	36,205
OTHER STATE	268	350	550	750	1,051	743	1,121	2,065
DEPARTMENT OF TRANSPORTATION, TOTAL	83,262	97,000	98,183	77,236	61,781	53,844	31,100	51,760
FEDERAL AVIATION ADMINISTRATION	9,960	17,313	22,180	17,849	13,864	14,123	3,600	4,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	15,892	14,702	20,693	21,678	14,900	12,048	9,900	27,500
URBAN MASS TRANSPORTATION ADMIN	6,223	9,725	7,800	6,280	6,248	2,899	600	1,000
OTHER TRANSPORTATION	51,187	55,260	47,510	31,429	26,769	24,774	17,000	18,560
DEPARTMENT OF THE TREASURY	286	383	474	439	457	400	1,474	2,140

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TABLE 16A. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	433,117	428,991	417,122	424,784	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	464,748	593,431	746,499	N/A
ENVIRONMENTAL PROTECTION AGENCY	52,984	53,818	51,068	74,287	96,294	141,711	155,395	205,252
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	1,030,217	922,688	764,592	793,920	845,667	935,139	1,222,841	1,206,076
NATIONAL SCIENCE FOUNDATION	274,789	318,286	427,270	463,953	520,256	570,015	595,776	688,300
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	42,338	64,155	88,432	112,291
OFFICE OF ECONOMIC OPPORTUNITY	29,400	63,112	55,348	32,310	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	18,217	15,082	21,271	24,041	24,713	24,785	25,735	29,651
VETERANS ADMINISTRATION	57,762	62,109	67,057	69,730	78,728	87,140	85,127	92,342
ALL OTHER AGENCIES	20,696	18,220	16,815	32,677	34,024	32,708	32,954	41,520

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 16B. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	6,729,708	7,619,332	8,514,115	9,608,758	10,535,005	11,597,378	12,359,294	13,533,823
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	401,944	442,224	524,020	594,484	631,920	657,435	738,694	825,731
FOREST SERVICE	73,256	74,503	86,110	100,653	102,500	106,055	116,200	127,600
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	408,243	461,131	493,475	512,756	576,917	649,286
AGRICULTURAL RESEARCH	204,097	227,584	280,978	303,707	320,918	328,551	376,020	415,098
COOPERATIVE RESEARCH	101,141	113,389	127,265	157,424	172,557	184,205	200,897	234,188
TECHNICAL INFORMATION SYSTEMS	6	8	-	-	-	-	-	-
OTHER AGRICULTURE	23,444	26,740	29,667	32,700	35,945	38,624	45,577	48,845
DEPARTMENT OF COMMERCE, TOTAL	144,420	155,713	176,129	192,775	219,458	254,433	257,383	228,686
NATIONAL BUREAU OF STANDARDS	34,747	37,530	44,954	48,524	51,800	58,893	65,134	75,510
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	99,713	104,870	115,776	127,920	142,691	168,810	168,033	132,706
OTHER COMMERCE	9,960	13,313	15,399	16,331	24,967	28,730	24,216	20,470
DEPARTMENT OF DEFENSE, TOTAL	1,431,007	1,527,481	1,715,845	1,824,058	2,014,098	2,261,769	2,584,004	3,148,166
DEPARTMENT OF THE ARMY	336,372	362,395	397,993	409,810	448,610	479,255	513,815	639,540
MILITARY FUNCTIONS	330,622	349,570	382,978	395,010	432,998	461,600	495,800	619,700
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	5,750	12,825	15,015	14,800	15,612	17,655	18,015	19,840
DEPARTMENT OF THE NAVY	408,491	437,950	497,362	526,317	567,315	611,100	701,500	808,400
DEPARTMENT OF THE AIR FORCE	355,842	382,302	425,775	448,745	492,253	537,300	608,200	667,300
DEFENSE AGENCIES	330,634	344,134	393,415	431,686	505,920	634,114	760,489	1,032,926
OTHER DOD	1,668	700	1,300	7,500	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	93,392	87,575	87,312	53,113
DEPARTMENT OF ENERGY	N/A	N/A	891,266	1,102,243	1,131,846	1,277,326	1,407,444	1,620,816
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,924,830	2,150,733	2,414,280	2,740,717	N/A	N/A	N/A	N/A

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TABLE 16B. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	139,425	136,617	151,966	178,751	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	42,564	49,596	55,273	60,084	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	35,896	37,077	42,872	64,134	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	4,068	10,798	27,120	34,616	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,604,217	1,767,692	1,968,658	2,232,596	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	5,266	21,428	11,892	13,311	N/A	N/A	N/A	N/A
OTHER HEW	93,394	127,525	156,499	157,225	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	3,015,669	3,332,777	3,470,466	3,698,725
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	213,535	233,536	233,677	259,954
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	76,271	87,257	80,844	77,085
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	60,979	75,400	74,900	75,400
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	31,828	45,727	46,000	46,000
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,530,111	2,787,470	2,934,290	3,154,050
OTHER HHS	N/A	N/A	N/A	N/A	102,945	103,387	100,755	86,236
DEPT OF HOUSING & URBAN DEVELOPMENT	33,495	36,945	32,720	30,535	23,770	19,601	19,054	20,412
DEPARTMENT OF THE INTERIOR, TOTAL	234,053	259,458	255,942	283,492	339,468	354,446	364,351	352,843
BUREAU OF MINES	52,912	73,300	52,322	57,000	79,100	82,800	79,500	77,500
GEOLOGICAL SURVEY	106,616	110,324	117,468	133,656	145,071	145,839	164,266	174,899
OTHER INTERIOR	74,525	75,834	86,152	92,836	115,297	125,807	120,585	100,444
DEPARTMENT OF JUSTICE	18,895	18,317	17,584	45,722	28,846	28,760	23,397	17,560
DEPARTMENT OF LABOR	15,278	18,000	18,727	25,711	42,082	36,432	36,435	29,359
DEPARTMENT OF STATE, TOTAL	22,458	25,128	38,270	49,126	2,694	1,956	1,727	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	21,715	24,007	36,205	46,648	N/A	N/A	N/A	N/A
OTHER STATE	743	1,121	2,065	2,478	2,694	1,956	1,727	1,827
DEPARTMENT OF TRANSPORTATION, TOTAL	53,844	31,100	51,760	66,500	66,983	82,445	91,641	91,590
FEDERAL AVIATION ADMINISTRATION	14,123	3,600	4,700	6,800	7,500	8,200	9,500	9,000
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	12,048	9,900	27,500	38,000	30,003	38,615	38,369	37,300
URBAN MASS TRANSPORTATION ADMIN	2,899	600	1,000	1,100	1,100	8,890	8,532	9,450
OTHER TRANSPORTATION	24,774	17,000	18,560	20,600	28,380	26,740	35,240	35,840
DEPARTMENT OF THE TREASURY	400	1,474	2,140	4,114	4,718	5,687	6,629	7,618

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TABLE 16B. FEDERAL OBLIGATIONS FOR RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	593,431	746,499	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	141,711	155,395	205,252	252,670	259,000	245,100	259,900	215,200
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	66,886	79,664	87,160	98,508
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	66,886	79,664	87,160	98,508
NATIONAL AERONAUTICS & SPACE ADMIN	935,139	1,222,841	1,206,076	1,345,167	1,451,238	1,609 944	1,554,566	1,653,948
NATIONAL SCIENCE FOUNDATION	570,015	595,776	688,300	743,502	800,025	873 87	933,404	999,900
NUCLEAR REGULATORY COMMISSION	64,155	88,432	112,291	133,891	148,772	182,672	207,673	224,540
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	24,785	25,735	29,651	34,896	36,901	41,006	45,188	50,489
VETERANS ADMINISTRATION	87,140	85,127	92,342	99,400	111,362	117,900	129,200	136,900
ALL OTHER AGENCIES	32,708	32,954	41,520	37,755	45,879	47,063	53,666	57,892

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 17A. FEDERAL OBLIGATIONS FOR RESEARCH BY PERFORMER: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

PERFORMER	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL	4,900,798	5,123,171	5,547,696	5,581,429	6,175,240	6,729,708	7,619,332	8,514,115
FEDERAL INTRAMURAL 1/	1,903,904	1,887,930	1,984,412	2,088,473	2,270,187	2,463,780	2,879,166	2,957,668
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	876,451	888,988	906,586	887,311	874,616	1,010,246	1,102,954	1,367,256
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	72,517	75,675	75,315	68,731	98,209	135,701	176,509	192,169
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	1,278,446	1,430,171	1,642,803	1,691,055	1,958,267	2,078,766	2,249,735	2,583,507
FFRDC'S ADMINISTERED BY UNIVERSITIES	382,572	358,908	398,441	355,166	373,966	425,512	548,278	670,304
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	230,492	282,014	341,972	318,180	414,163	394,676	435,434	512,16[illegible]
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	45,099	52,004	59,874	50,237	50,763	64,816	57,498	55,552
STATE AND LOCAL GOVERNMENTS	83,392	95,849	93,771	84,289	91,024	111,907	119,371	115,177
FOREIGN	29,925	51,834	44,522	39,987	44,045	44,304	50,387	60,321

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 17B. FEDERAL OBLIGATIONS FOR RESEARCH BY PERFORMER: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
TOTAL	6,729,708	7,619,332	8,514,115	9,606,758	10,535,005	11,597,378	12,359,294	13,533,823
FEDERAL INTRAMURAL 1/	2,463,780	2,879,166	2,957,666	3,220,762	3,481,232	3,668,272	3,881,764	4,194,891
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	1,010,246	1,102,954	1,367,256	1,651,406	1,761,951	2,077,605	2,243,070	2,627,631
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	135,701	176,509	192,169	235,173	244,980	311,031	348,090	403,823
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	2,078,766	2,249,735	2,583,507	2,928,039	3,333,375	3,699,071	3,941,198	4,180,189
FFRDC'S ADMINISTERED BY UNIVERSITIES	425,512	548,278	670,304	714,850	800,601	851,155	932,136	1,095,230
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	394,676	435,434	512,163	590,851	622,643	678,446	685,648	711,213
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	64,816	57,498	55,552	66,926	73,352	71,719	68,033	63,052
STATE AND LOCAL GOVERNMENTS	111,907	119,371	115,177	128,827	139,466	150,932	150,441	142,514
FOREIGN	44,304	50,387	60,321	69,924	77,405	91,147	108,914	115,280

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 18A. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	1,903,904	1,887,930	1,984,412	2,088,473	2,270,187	2,463,780	2,879,166	2,957,666
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	200,092	214,831	239,202	248,300	261,048	285,589	313,750	372,298
FOREST SERVICE	40,556	44,286	50,109	52,591	57,260	66,418	69,214	78,207
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	265,188
AGRICULTURAL RESEARCH	141,475	151,887	169,603	175,249	181,493	193,117	215,624	261,167
COOPERATIVE RESEARCH	2,080	2,112	2,269	2,322	2,829	3,158	3,021	4,021
TECHNICAL INFORMATION SYSTEMS	107	183	178	163	43	6	3	-
OTHER AGRICULTURE	15,874	16,363	17,043	17,975	19,423	22,890	25,882	28,903
DEPARTMENT OF COMMERCE, TOTAL	76,177	79,126	91,646	89,829	91,804	109,587	117,327	139,876
NATIONAL BUREAU OF STANDARDS	26,276	27,520	28,953	29,663	31,303	33,638	36,872	43,620
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	43,473	45,010	58,499	55,633	57,294	72,980	74,021	88,527
OTHER COMMERCE	6,428	6,596	4,194	4,533	3,207	2,969	6,434	7,729
DEPARTMENT OF DEFENSE, TOTAL	635,765	613,179	711,153	731,108	709,128	653,396	717,683	760,059
DEPARTMENT OF THE ARMY	231,768	200,808	231,440	255,973	244,838	210,108	249,116	275,813
MILITARY FUNCTIONS	225,493	195,781	227,156	251,879	240,243	205,378	240,024	262,309
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	6,275	5,027	4,284	4,094	4,595	4,720	9,092	13,504
DEPARTMENT OF THE NAVY	225,441	220,985	260,264	259,783	262,036	254,974	277,682	291,335
DEPARTMENT OF THE AIR FORCE	97,896	103,187	116,869	111,587	115,620	109,526	107,628	100,175
DEFENSE AGENCIES	80,091	87,846	102,193	103,453	86,363	78,538	83,152	92,628
OTHER DOD	569	353	387	312	271	250	105	108
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	26,641
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	224,780	270,851	296,601	328,944	360,107	406,821	440,513	503,983
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	27,453	25,889	23,232	24,273	28,508
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	29,528	22,859	27,875	34,471	38,994

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TABLE 18A. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	13,350	16,438	20,827	17,026	19,144	23,111	22,810	25,295
HEALTH SERVICES & MENTAL HEALTH ADMIN	43,117	54,049	48,413	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	1,025	1,644	1,737	1,957	5,386
NATIONAL INSTITUTES OF HEALTH	153,967	187,997	212,800	228,886	261,471	298,440	332,821	373,644
OFFICE OF EDUCATION	1,251	1,511	769	116	137	73	136	563
OTHER HEW	13,095	10,856	13,792	24,910	28,963	32,353	24,045	31,593
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	50	2,629	810	6,884	7,546	10,380	11,106	14,365
DEPARTMENT OF THE INTERIOR, TOTAL	84,618	92,216	101,898	112,823	105,587	147,626	172,118	189,957
BUREAU OF MINES	31,940	34,466	34,693	35,019	22,658	21,600	40,239	44,322
GEOLOGICAL SURVEY	38,899	40,697	50,154	60,064	63,698	100,476	106,249	112,563
OTHER INTERIOR	13,779	17,053	17,051	17,740	19,231	25,550	25,630	33,072
DEPARTMENT OF JUSTICE	301	492	2,810	1,033	1,686	1,487	2,779	2,256
DEPARTMENT OF LABOR	6,439	7,053	6,353	4,177	4,879	6,660	9,170	8,801
DEPARTMENT OF STATE, TOTAL	4,771	6,158	2,941	3,907	3,183	2,882	5,316	7,079
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,648	6,054	2,801	3,768	2,980	2,651	5,099	6,017
OTHER STATE	123	104	140	139	203	231	217	1,062
DEPARTMENT OF TRANSPORTATION, TOTAL	23,507	32,119	22,128	16,106	15,854	15,774	10,819	16,319
FEDERAL AVIATION ADMINISTRATION	2,689	4,813	3,992	3,177	2,993	3,008	641	1,050
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,370	6,175	5,330	1,280	894	765	272	6,195
URBAN MASS TRANSPORTATION ADMIN	9	2,626	2,073	1,641	1,674	1,368	283	600
OTHER TRANSPORTATION	19,439	18,505	10,733	10,008	10,293	10,633	9,623	8,474
DEPARTMENT OF THE TREASURY	286	383	431	413	457	400	1,474	1,790

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TABLE 18A. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	4,774	4,909	4,639	5,553	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	15,954	24,742	21,522	N/A
ENVIRONMENTAL PROTECTION AGENCY	18,736	19,581	18,671	22,484	26,291	64,303	77,985	84,005
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	517,853	434,012	364,677	377,195	498,945	556,393	780,343	602,100
NATIONAL SCIENCE FOUNDATION	12,700	17,272	16,822	17,838	52,994	48,453	64,047	79,503
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	145	4,207	7,430	9,358
OFFICE OF ECONOMIC OPPORTUNITY	4,498	5,925	4,500	5,509	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	16,634	13,294	19,020	21,155	22,728	23,244	24,679	27,293
VETERANS ADMINISTRATION	56,894	60,864	65,881	69,122	78,469	86,691	85,127	89,832
ALL OTHER AGENCIES	15,029	13,058	14,229	26,093	13,382	15,145	15,978	22,151

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 18B. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	2,463,780	2,879,166	2,957,666	3,220,762	3,481,232	3,666,272	3,881,764	4,194,891
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	285,589	313,750	372,298	398,013	426,444	429,902	486,445	532,438
FOREST SERVICE	66,418	69,214	78,207	89,652	91,535	95,876	104,957	114,932
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	265,188	277,845	300,020	301,594	343,075	376,572
AGRICULTURAL RESEARCH	193,117	215,624	261,167	272,650	294,110	294,785	335,760	368,289
COOPERATIVE RESEARCH	3,158	3,021	4,021	5,195	5,910	6,809	7,315	8,283
TECHNICAL INFORMATION SYSTEMS	6	3	-	-	-	-	-	-
OTHER AGRICULTURE	22,890	25,888	28,903	30,516	34,889	32,432	38,413	40,934
DEPARTMENT OF COMMERCE, TOTAL	109,587	117,327	139,876	146,108	159,729	182,742	191,371	197,090
NATIONAL BUREAU OF STANDARDS	33,638	36,872	43,620	45,141	50,836	57,037	63,314	72,695
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	72,980	74,021	88,527	95,628	102,055	112,185	113,871	111,402
OTHER COMMERCE	2,969	6,434	7,729	5,339	6,838	13,520	14,186	12,993
DEPARTMENT OF DEFENSE, TOTAL	653,396	717,683	760,059	752,593	839,886	850,389	915,369	1,041,122
DEPARTMENT OF THE ARMY	210,108	249,116	275,813	272,946	294,164	307,917	307,872	365,868
MILITARY FUNCTIONS	205,378	240,024	262,309	260,477	280,289	292,948	292,491	348,906
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	4,730	9,092	13,504	12,469	13,875	14,969	15,381	16,962
DEPARTMENT OF THE NAVY	254,974	277,682	291,335	285,792	340,437	265,810	292,649	313,951
DEPARTMENT OF THE AIR FORCE	109,526	107,628	100,175	97,062	114,606	156,839	174,556	185,933
DEFENSE AGENCIES	78,538	83,152	92,628	95,120	90,679	119,823	140,292	175,370
OTHER DOD	250	105	108	1,673	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	9,556	2,406	2,739	1,116
DEPARTMENT OF ENERGY	N/A	N/A	26,641	42,910	53,304	80,771	67,685	93,366
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	406,821	440,513	503,983	622,796	N/A	N/A	N/A	N/A

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TABLE 18B. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	23,232	24,273	28,508	51,278	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	27,875	34,471	38,994	42,618	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	23,111	22,810	25,295	41,093	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	1,737	1,957	5,386	5,750	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	298,440	332,821	373,644	446,637	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	73	136	563	611	N/A	N/A	N/A	N/A
OTHER HEW	32,353	24,045	31,593	34,809	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	681,906	748,950	770,852	821,869
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	56,745	63,306	71,469	98,057
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	55,964	66,693	62,481	58,708
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	44,068	59,824	59,708	60,108
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	3,682	5,750	3,150	3,150
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	487,427	521,346	543,234	580,799
OTHER HHS	N/A	N/A	N/A	N/A	34,020	32,031	30,810	21,047
DEPT OF HOUSING & URBAN DEVELOPMENT	10,380	11,106	14,365	10,901	14,680	11,986	11,852	12,482
DEPARTMENT OF THE INTERIOR, TOTAL	147,626	172,118	189,957	199,713	219,753	219,445	242,251	249,490
BUREAU OF MINES	21,600	40,239	44,322	43,800	41,700	47,700	46,400	46,700
GEOLOGICAL SURVEY	100,476	106,249	112,563	123,432	133,614	129,753	149,112	161,237
OTHER INTERIOR	25,550	25,630	33,072	32,481	44,439	41,992	46,739	41,553
DEPARTMENT OF JUSTICE	1,487	2,779	2,256	3,036	2,948	1,109	685	863
DEPARTMENT OF LABOR	6,660	9,170	8,801	6,514	15,916	9,981	9,111	7,539
DEPARTMENT OF STATE, TOTAL	2,882	5,316	7,079	3,378	894	771	647	747
AGENCY FOR INTERNATIONAL DEVELOPMENT	2,651	5,099	6,017	2,990	N/A	N/A	N/A	N/A
OTHER STATE	231	217	1,062	388	894	771	647	747
DEPARTMENT OF TRANSPORTATION, TOTAL	15,774	10,819	16,319	21,790	21,721	28,651	29,530	37,377
FEDERAL AVIATION ADMINISTRATION	3,008	641	1,050	1,519	1,650	1,804	2,090	1,980
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	765	272	6,195	8,667	6,306	11,817	11,742	11,413
URBAN MASS TRANSPORTATION ADMIN	1,368	283	600	600	600	2,201	2,100	2,400
OTHER TRANSPORTATION	10,633	9,623	8,474	11,004	13,165	12,829	13,598	21,584
DEPARTMENT OF THE TREASURY	400	1,474	1,790	3,076	2,212	4,504	5,577	5,101

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TABLE 18B. FEDERAL OBLIGATIONS FOR RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	24,742	21,522	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	64,303	77,985	84,005	114,634	119,360	106,314	116,269	87,235
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	6,458	5,316	7,500	8,170
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	6,458	5,316	7,500	8,170
NATIONAL AERONAUTICS & SPACE ADMIN	556,393	780,343	602,100	645,127	661,380	710,213	722,529	777,985
NATIONAL SCIENCE FOUNDATION	48,453	64,047	79,503	83,329	63,082	75,049	80,969	82,109
NUCLEAR REGULATORY COMMISSION	4,207	7,430	9,358	11,222	9,679	14,096	16,106	18,744
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	23,244	24,679	27,293	31,996	33,685	36,557	41,575	45,989
VETERANS ADMINISTRATION	86,691	85,127	89,832	98,184	110,611	117,478	128,877	136,570
ALL OTHER AGENCIES	15,145	15,978	22,151	25,442	28,028	29,642	34,025	37,489

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 19A. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	876,451	888,988	906,586	887,311	874,616	1,010,246	1,102,954	1,367,258
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	578	440	727	1,743	659	1,379	385	5,541
FOREST SERVICE	6	6	468	1,201	530	1,149	245	607
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,934
AGRICULTURAL RESEARCH	382	252	164	542	129	230	140	4,934
TECHNICAL INFORMATION SYSTEMS	93	94	5	-	-	-	-	-
OTHER AGRICULTURE	97	88	90	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	6,355	12,731	20,422	9,855	15,806	11,882	11,007	7,668
NATIONAL BUREAU OF STANDARDS	-	124	106	244	178	250	-	231
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	1,275	1,580	2,166	5,461	10,738	6,622	7,190	4,348
OTHER COMMERCE	5,080	11,027	18,150	4,150	4,890	5,010	3,817	3,089
DEPARTMENT OF DEFENSE, TOTAL	418,746	415,168	488,507	447,564	455,731	504,349	514,244	592,558
DEPARTMENT OF THE ARMY	41,991	60,694	76,821	73,289	70,024	77,219	63,914	66,566
MILITARY FUNCTIONS	41,931	60,347	76,262	73,089	69,774	77,061	62,817	65,734
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	60	347	559	200	250	158	1,097	832
DEPARTMENT OF THE NAVY	55,873	52,202	66,643	60,406	63,879	78,567	81,068	73,556
DEPARTMENT OF THE AIR FORCE	172,037	166,596	173,787	175,638	179,686	199,446	220,410	248,486
DEFENSE AGENCIES	147,442	134,912	167,975	137,294	141,192	148,534	148,607	203,328
OTHER DOD	1,403	762	1,281	937	950	583	245	622
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	76,858
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	27,523	30,293	51,678	52,013	83,028	73,098	83,512	92,742
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	1,040	2,748	3,760	4,613	3,107
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,220	8,060	3,632	2,616	4,382
FOOD & DRUG ADMINISTRATION	175	1,038	1,532	1,929	6,214	2,463	2,765	5,418

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TABLE 19A. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
HEALTH SERVICES & MENTAL HEALTH ADMIN	3,739	551	4,208	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	-	-	89	674	1,030
NATIONAL INSTITUTES OF HEALTH	22,753	28,166	43,847	45,567	60,206	58,838	63,053	60,881
OFFICE OF EDUCATION	720	126	1,982	167	767	843	2,371	1,167
OTHER HEW	136	412	109	2,090	5,033	3,473	7,420	16,757
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	5,628	4,873	5,344	4,124	8,242	8,710	14,011	6,599
DEPARTMENT OF THE INTERIOR, TOTAL	7,457	11,613	12,696	11,307	8,476	34,765	35,695	11,439
BUREAU OF MINES	-	1,695	2,913	3,088	3,338	26,491	28,941	6,000
GEOLOGICAL SURVEY	368	303	867	1,439	828	1,886	525	765
OTHER INTERIOR	7,089	9,615	8,916	6,780	4,312	6,388	6,229	4,674
DEPARTMENT OF JUSTICE	825	779	904	740	2,784	303	132	1,100
DEPARTMENT OF LABOR	621	823	826	1,255	1,652	3,225	4,055	4,502
DEPARTMENT OF STATE, TOTAL	50	-	154	64	191	556	1,052	1,129
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	534	954	694
OTHER STATE	50	-	154	64	191	22	98	435
DEPARTMENT OF TRANSPORTATION, TOTAL	21,608	34,386	44,982	34,673	29,058	26,567	14,331	23,317
FEDERAL AVIATION ADMINISTRATION	7,171	12,431	17,296	12,226	10,386	10,738	2,639	3,250
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,639	4,786	7,785	8,562	7,960	7,213	7,149	13,894
URBAN MASS TRANSPORTATION ADMIN	230	49	295	291	156	96	20	-
OTHER TRANSPORTATION	10,568	17,120	19,606	13,594	10,556	8,520	4,523	6,173
DEPARTMENT OF THE TREASURY	-	-	43	26	-	-	-	-

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TABLE 19A. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	3,550	2,977	2,606	3,349	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	6,008	59,834	54,449	N/A
ENVIRONMENTAL PROTECTION AGENCY	10,233	12,464	8,797	21,700	33,588	28,533	35,836	56,630
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	357,949	348,998	259,855	287,760	210,780	236,902	310,015	460,501
NATIONAL SCIENCE FOUNDATION	2,805	3,530	3,488	6,510	13,996	15,455	14,510	14,645
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	3,068	2,515	6,548	8,209
OFFICE OF ECONOMIC OPPORTUNITY	8,359	8,644	5,796	860	-	-	N/A	N/A
VETERANS ADMINISTRATION	55	177	170	-	-	-	-	918
ALL OTHER AGENCIES	4,109	1,094	1,591	3,768	1,549	2,173	3,172	2,900

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 19B. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	1,010,246	1,102,954	1,387,256	1,651,406	1,761,951	2,077,605	2,243,070	2,627,631
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	1,379	385	5,541	5,959	4,407	5,354	8,919	9,774
FOREST SERVICE	1,149	245	607	808	571	103	112	116
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	4,934	5,151	3,761	5,226	8,777	9,628
AGRICULTURAL RESEARCH	230	140	4,934	5,151	3,761	5,226	8,777	9,628
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	-	-	75	25	30	30
DEPARTMENT OF COMMERCE, TOTAL	11,882	11,007	7,668	9,930	17,174	19,298	14,813	14,959
NATIONAL BUREAU OF STANDARDS	250	-	231	1,765	406	870	900	1,795
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	6,622	7,190	4,348	2,665	5,350	8,263	5,807	6,194
OTHER COMMERCE	5,010	3,817	3,089	5,500	11,418	10,165	8,106	6,970
DEPARTMENT OF DEFENSE, TOTAL	504,349	514,244	592,558	708,197	750,571	969,615	1,153,935	1,479,648
DEPARTMENT OF THE ARMY	77,219	63,914	66,566	69,335	75,303	105,077	133,658	176,786
MILITARY FUNCTIONS	77,061	62,817	65,734	68,625	74,694	104,013	132,538	175,549
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	158	1,097	832	710	609	1,064	1,120	1,237
DEPARTMENT OF THE NAVY	78,567	81,068	73,556	126,519	88,040	218,696	260,308	317,210
DEPARTMENT OF THE AIR FORCE	199,446	220,410	248,486	250,823	266,882	251,966	285,418	315,546
DEFENSE AGENCIES	148,534	148,607	203,328	258,583	320,346	393,876	474,551	670,106
OTHER DOD	583	245	622	2,937	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	2,734	8,059	8,101	8,663
DEPARTMENT OF ENERGY	N/A	N/A	76,858	138,469	68,203	64,858	109,778	132,749
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	73,098	83,512	92,742	88,078	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	3,760	4,613	3,107	2,682	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	3,632	2,616	4,382	4,332	N/A	N/A	N/A	N/A

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TABLE 19B. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

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SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FOOD & DRUG ADMINISTRATION	2,463	2,765	5,418	6,113	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	89	674	1,030	1,548	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	58,838	63,053	60,881	58,482	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	843	2,371	1,167	2,014	N/A	N/A	N/A	N/A
OTHER HEW	3,473	7,420	16,757	12,927	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	112,555	130,503	134,512	147,782
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	4,595	7,563	6,833	6,229
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,251	6,593	5,933	5,933
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	3,770	4,680	4,990	4,990
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	10,273	19,081	20,500	20,500
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	81,161	83,473	87,332	95,674
OTHER HHS	N/A	N/A	N/A	N/A	6,505	9,113	8,924	14,456
DEPT OF HOUSING & URBAN DEVELOPMENT	8,710	14,011	6,599	6,296	3,400	4,352	4,230	4,531
DEPARTMENT OF THE INTERIOR, TOTAL	34,765	35,695	11,439	17,484	39,902	47,553	40,156	33,248
BUREAU OF MINES	26,491	28,941	6,000	10,200	34,000	32,400	30,400	28,100
GEOLOGICAL SURVEY	1,886	525	765	988	833	5,441	4,724	3,232
OTHER INTERIOR	6,388	6,229	4,674	6,296	5,069	9,712	5,032	1,916
DEPARTMENT OF JUSTICE	303	132	1,100	1,967	1,181	1,980	2,615	2,322
DEPARTMENT OF LABOR	3,225	4,055	4,502	4,036	17,408	10,370	11,012	13,463
DEPARTMENT OF STATE, TOTAL	556	1,052	1,129	4,090	1,004	748	626	626
AGENCY FOR INTERNATIONAL DEVELOPMENT	534	954	694	2,848	N/A	N/A	N/A	N/A
OTHER STATE	22	98	435	1,242	1,004	748	626	626
DEPARTMENT OF TRANSPORTATION, TOTAL	26,567	14,331	23,317	31,179	34,269	39,211	47,614	39,463
FEDERAL AVIATION ADMINISTRATION	10,738	2,639	3,250	5,281	5,850	6,398	7,410	7,020
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	7,213	7,149	13,894	19,433	16,801	19,907	19,780	19,230
URBAN MASS TRANSPORTATION ADMIN	96	20	-	-	-	2,800	2,600	2,800
OTHER TRANSPORTATION	8,520	4,523	6,173	6,465	11,618	10,108	17,824	10,413
DEPARTMENT OF THE TREASURY	-	-	-	661	2,142	1,002	1,002	2,401

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TABLE 19B. FEDERAL OBLIGATIONS FOR RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	59,834	54,449	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	28,533	35,836	56,630	62,005	64,790	65,798	63,965	58,251
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	1,344	2,766	1,750	2,300
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	1,344	2,766	1,750	2,300
NATIONAL AERONAUTICS & SPACE ADMIN	236,902	310,015	460,501	542,070	613,660	678,664	608,364	638,107
NATIONAL SCIENCE FOUNDATION	15,455	14,510	14,645	21,882	16,334	16,305	18,316	25,605
NUCLEAR REGULATORY COMMISSION	2,515	6,548	8,209	5,569	4,340	5,301	6,230	6,738
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	-	-	918	-	-	-	-	-
ALL OTHER AGENCIES	2,173	3,172	2,900	3,534	6,533	5,868	7,132	7,003

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 20A. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	1,276,446	1,430,171	1,642,803	1,691,055	1,958,267	2,078,766	2,249,735	2,583,507
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	64,677	71,745	87,407	94,176	94,419	107,669	119,162	138,935
FOREST SERVICE	737	743	2,329	1,986	3,947	5,551	4,718	6,920
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	131,251
AGRICULTURAL RESEARCH	4,972	5,016	4,641	4,739	3,692	3,977	3,657	8,523
COOPERATIVE RESEARCH	58,672	65,343	80,001	86,726	86,237	97,587	109,930	122,728
TECHNICAL INFORMATION SYSTEMS	8	100	45	112	100	-	5	-
OTHER AGRICULTURE	288	543	391	613	443	554	852	764
DEPARTMENT OF COMMERCE, TOTAL	3,175	14,837	21,499	22,900	18,906	16,060	19,205	17,721
NATIONAL BUREAU OF STANDARDS	373	451	547	510	1,013	697	582	816
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	2,199	13,308	20,140	21,807	17,521	14,681	16,941	14,570
OTHER COMMERCE	603	1,078	812	583	372	682	1,682	2,335
DEPARTMENT OF DEFENSE, TOTAL	172,528	183,970	176,624	160,552	166,985	164,991	191,503	220,913
DEPARTMENT OF THE ARMY	34,714	31,285	39,162	33,414	38,904	38,811	36,749	44,204
MILITARY FUNCTIONS	33,780	30,310	37,422	32,656	38,049	37,949	34,113	43,557
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	934	975	1,740	758	855	862	2,636	647
DEPARTMENT OF THE NAVY	53,491	62,811	59,149	50,817	54,274	55,422	55,128	63,458
DEPARTMENT OF THE AIR FORCE	47,848	44,809	45,080	47,054	39,100	39,507	49,211	67,982
DEFENSE AGENCIES	36,095	44,624	32,855	29,194	34,397	31,059	50,335	45,129
OTHER DOD	380	441	378	273	310	192	80	140
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	133,930
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	588,170	670,990	806,454	807,243	1,058,026	1,076,646	1,200,494	1,349,838
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	84,620	80,591	76,896	78,168	87,743
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	4,485	4,764	4,622	2,941	5,358

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TABLE 20A. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	4,633	6,646	5,285	8,196	13,977	8,377	7,682	8,425
HEALTH SERVICES & MENTAL HEALTH ADMIN	70,825	65,406	91,468	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	9,421	4,991	737	2,865	10,525
NATIONAL INSTITUTES OF HEALTH	480,477	550,622	677,231	684,264	923,694	958,640	1,059,730	1,180,785
OFFICE OF EDUCATION	13,461	27,871	12,193	5,488	4,572	3,386	9,916	5,749
OTHER HEW	16,774	20,445	20,277	30,769	23,437	23,988	39,192	51,253
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	665	640	654	1,547	1,840	1,534	3,462
DEPARTMENT OF THE INTERIOR, TOTAL	17,938	20,300	21,694	22,015	21,577	25,913	22,907	22,282
BUREAU OF MINES	1,563	2,308	2,755	3,267	4,368	4,821	4,120	2,000
GEOLOGICAL SURVEY	594	798	514	1,259	1,708	4,020	3,493	4,140
OTHER INTERIOR	15,781	17,194	18,425	17,489	15,501	17,072	15,294	16,142
DEPARTMENT OF JUSTICE	1,842	2,500	2,805	2,682	1,695	7,931	3,079	4,868
DEPARTMENT OF LABOR	1,554	2,128	2,846	5,168	6,745	3,543	2,775	4,287
DEPARTMENT OF STATE, TOTAL	5,258	13,907	15,758	8,221	10,310	10,197	9,890	21,847
AGENCY FOR INTERNATIONAL DEVELOPMENT	5,232	13,853	15,753	8,068	10,084	9,980	9,582	21,557
OTHER STATE	26	54	5	153	226	217	308	290
DEPARTMENT OF TRANSPORTATION, TOTAL	10,520	7,811	7,618	9,586	3,987	2,957	2,451	2,430
FEDERAL AVIATION ADMINISTRATION	100	69	892	450	430	320	230	400
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	4,986	2,030	2,949	6,677	1,737	730	1,206	1,200
URBAN MASS TRANSPORTATION ADMIN	3,088	2,528	74	88	-	-	-	-
OTHER TRANSPORTATION	2,346	3,184	3,703	2,371	1,820	1,907	1,015	830
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-

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TABLE 20A. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	96,584	89,649	81,037	78,709	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	85,660	112,121	116,323	N/A
ENVIRONMENTAL PROTECTION AGENCY	14,918	16,134	16,500	18,188	23,371	31,775	29,327	45,610
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	65,405	70,309	48,245	80,425	84,959	90,717	97,836	105,059
NATIONAL SCIENCE FOUNDATION	223,249	253,651	346,063	370,281	368,926	419,775	428,760	504,670
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	328	725	2,400	4,453
OFFICE OF ECONOMIC OPPORTUNITY	10,764	8,940	4,553	6,185	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	1,080	1,691	2,236	2,862	1,923	1,370	848	1,795
VETERANS ADMINISTRATION	343	637	636	154	165	-	-	932
ALL OTHER AGENCIES	441	307	188	1,054	10,738	4,536	1,241	475

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 20B. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	2,078,766	2,249,735	2,583,507	2,928,039	3,333,375	3,699,071	3,941,198	4,180,189
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	107,669	119,162	138,935	181,419	198,100	214,442	235,025	274,758
FOREST SERVICE	5,551	4,718	6,920	10,023	9,506	9,600	10,600	12,000
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	131,251	169,212	187,613	202,907	221,895	260,228
AGRICULTURAL RESEARCH	3,977	3,657	8,523	17,555	21,537	26,132	28,981	35,079
COOPERATIVE RESEARCH	97,587	109,930	122,728	151,657	166,076	176,775	192,914	225,149
TECHNICAL INFORMATION SYSTEMS	-	5	-	-	-	-	-	-
OTHER AGRICULTURE	554	852	764	2,184	981	1,935	2,530	2,530
DEPARTMENT OF COMMERCE, TOTAL	16,060	19,205	17,721	25,624	28,239	40,715	39,694	14,393
NATIONAL BUREAU OF STANDARDS	697	582	816	619	558	817	920	1,020
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	14,681	16,941	14,570	22,097	25,842	38,092	37,474	12,866
OTHER COMMERCE	682	1,682	2,335	2,908	1,839	1,806	1,300	507
DEPARTMENT OF DEFENSE, TOTAL	164,991	191,503	220,913	242,792	271,186	312,690	368,796	454,107
DEPARTMENT OF THE ARMY	38,811	36,749	44,204	49,857	48,748	49,028	55,528	79,070
MILITARY FUNCTIONS	37,949	34,113	43,557	48,431	47,680	47,506	54,106	77,529
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	862	2,636	647	1,426	1,068	1,522	1,422	1,541
DEPARTMENT OF THE NAVY	55,422	55,128	63,458	90,739	111,951	113,906	135,149	163,002
DEPARTMENT OF THE AIR FORCE	39,507	49,211	67,982	74,302	78,826	115,603	133,340	149,855
DEFENSE AGENCIES	31,059	50,335	45,129	27,674	31,661	34,153	44,779	62,180
OTHER DOD	192	80	140	220	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	46,890	51,842	49,840	24,241
DEPARTMENT OF ENERGY	N/A	N/A	133,930	174,760	203,754	224,134	233,536	242,907
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,076,646	1,200,494	1,349,838	1,522,252	N/A	N/A	N/A	N/A

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TABLE 20B. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	76,896	78,168	87,743	94,534	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	4,622	2,941	5,358	6,188	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	8,377	7,682	8,425	11,237	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	737	2,865	10,525	13,721	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	958,640	1,059,730	1,180,785	1,342,575	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	3,386	9,916	5,749	6,529	N/A	N/A	N/A	N/A
OTHER HEW	23,988	39,192	51,253	47,468	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,706,438	1,886,203	1,987,532	2,106,334
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	115,154	123,758	119,270	119,549
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,670	7,670	4,944	4,933
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	8,493	6,895	6,700	6,800
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	4,968	7,084	7,600	7,600
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,541,965	1,711,172	1,817,170	1,949,006
OTHER HHS	N/A	N/A	N/A	N/A	29,188	29,624	31,848	18,446
DEPT OF HOUSING & URBAN DEVELOPMENT	1,840	1,534	3,462	5,664	1,864	991	962	1,031
DEPARTMENT OF THE INTERIOR, TOTAL	25,913	22,907	22,282	30,842	37,577	37,508	28,465	21,310
BUREAU OF MINES	4,821	4,120	2,000	2,200	2,150	1,500	1,500	1,500
GEOLOGICAL SURVEY	4,020	3,493	4,140	9,236	10,611	10,645	10,430	10,430
OTHER INTERIOR	17,072	15,294	16,142	19,406	24,816	25,361	16,535	9,380
DEPARTMENT OF JUSTICE	7,931	3,079	4,868	7,245	7,137	8,549	7,202	4,485
DEPARTMENT OF LABOR	3,543	2,775	4,287	9,209	4,970	4,513	6,946	4,869
DEPARTMENT OF STATE, TOTAL	10,197	9,890	21,847	16,892	281	168	259	259
AGENCY FOR INTERNATIONAL DEVELOPMENT	9,980	9,582	21,557	16,368	N/A	N/A	N/A	N/A
OTHER STATE	217	308	290	524	281	168	259	259
DEPARTMENT OF TRANSPORTATION, TOTAL	2,957	2,451	2,430	1,500	3,700	8,234	7,922	8,173
FEDERAL AVIATION ADMINISTRATION	320	230	400	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	730	1,206	1,200	1,200	1,500	2,689	2,672	2,598
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	3,049	2,900	3,200
OTHER TRANSPORTATION	1,907	1,015	830	300	2,200	2,496	2,350	2,375
DEPARTMENT OF THE TREASURY	-	-	-	-	25	40	-	-

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TABLE 20B. FEDERAL OBLIGATIONS FOR RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	112,121	116,323	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	31,775	29,327	45,610	46,871	46,420	39,888	46,937	36,580
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	28,322	34,502	32,291	34,033
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	28,322	34,502	32,291	34,033
NATIONAL AERONAUTICS & SPACE ADMIN	90,717	97,836	105,059	116,298	125,296	146,104	158,000	184,000
NATIONAL SCIENCE FOUNDATION	419,775	428,760	504,670	534,162	612,221	680,035	728,254	779,259
NUCLEAR REGULATORY COMMISSION	725	2,400	4,453	7,981	6,809	5,902	6,987	6,900
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	1,370	848	1,795	1,994	1,224	-	-	-
VETERANS ADMINISTRATION	-	-	932	724	601	422	323	330
ALL OTHER AGENCIES	4,536	1,241	475	1,810	2,321	2,191	2,227	2,240

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 21A. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	230,492	282,014	341,972	316,180	414,163	394,676	435,434	512,163
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	1,072	783	579	415	466	210	369	235
FOREST SERVICE	-	68	21	103	188	-	67	34
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	201
AGRICULTURAL RESEARCH	772	701	531	312	278	210	302	201
COOPERATIVE RESEARCH	300	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	14	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	27	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	879	1,422	3,450	1,326	1,537	1,526	2,343	2,819
NATIONAL BUREAU OF STANDARDS	-	-	-	37	166	162	42	193
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	722	915	3,420	712	829	413	1,137	837
OTHER COMMERCE	157	507	30	577	542	951	1,164	1,789
DEPARTMENT OF DEFENSE, TOTAL	27,132	30,582	54,915	46,017	40,497	37,037	42,947	39,202
DEPARTMENT OF THE ARMY	5,119	8,274	12,874	12,605	11,101	7,242	11,584	9,511
MILITARY FUNCTIONS	5,044	8,199	12,799	12,605	11,101	7,242	11,584	9,511
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	75	75	75	-	-	-	-	-
DEPARTMENT OF THE NAVY	6,409	5,298	5,812	4,703	4,443	3,617	4,031	3,917
DEPARTMENT OF THE AIR FORCE	5,449	5,594	5,447	5,595	5,371	5,735	3,194	6,508
DEFENSE AGENCIES	9,091	10,560	29,525	21,975	18,662	20,027	23,963	18,990
OTHER DOD	1,064	856	1,257	1,139	920	416	175	276
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,839
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	140,197	168,285	194,477	187,582	262,350	255,625	294,223	351,522
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	15,649	30,917	19,442	17,079	28,323
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,109	2,294	5,081	5,945	4,904

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TABLE 21A. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	1,007	709	1,585	1,822	3,061	1,079	1,007	2,193
HEALTH SERVICES & MENTAL HEALTH ADMIN	22,986	26,095	32,113	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	5,610	2,903	1,286	4,077	7,779
NATIONAL INSTITUTES OF HEALTH	98,132	115,491	135,914	142,490	204,474	217,625	237,135	278,974
OFFICE OF EDUCATION	9,343	13,372	6,108	578	768	762	3,958	2,872
OTHER HEW	8,729	10,618	18,757	20,324	17,933	10,370	25,022	28,477
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	1,064	823	2,992	1,800	4,541	5,360	2,807	8,294
DEPARTMENT OF THE INTERIOR, TOTAL	1,472	2,020	1,238	2,689	218	296	-	50
BUREAU OF MINES	172	270	138	80	155	-	-	-
GEOLOGICAL SURVEY	-	-	-	35	-	-	-	-
OTHER INTERIOR	1,300	1,750	1,100	2,574	63	296	-	50
DEPARTMENT OF JUSTICE	331	2,069	362	1,592	11,681	7,955	8,918	8,157
DEPARTMENT OF LABOR	1,803	2,466	2,245	1,825	2,078	1,152	1,870	1,084
DEPARTMENT OF STATE, TOTAL	8,078	3,554	1,984	8,152	1,314	4,120	3,482	3,759
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,058	3,510	1,827	8,052	1,311	4,067	3,330	3,569
OTHER STATE	20	44	157	100	3	53	152	190
DEPARTMENT OF TRANSPORTATION, TOTAL	7,107	1,719	4,518	4,978	3,764	3,022	1,108	5,064
FEDERAL AVIATION ADMINISTRATION	-	-	-	274	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,961	1,147	3,185	3,143	2,235	1,690	485	3,147
URBAN MASS TRANSPORTATION ADMIN	2,796	97	798	28	34	-	-	-
OTHER TRANSPORTATION	350	475	535	1,531	1,495	1,332	623	1,917
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-

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TABLE 21A. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	4,848	4,538	8,516	7,436	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	9,948	9,263	22,943	N/A
ENVIRONMENTAL PROTECTION AGENCY	5,585	1,095	1,100	4,364	6,505	7,100	4,584	9,905
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	17,455	19,549	17,633	11,018	34,830	15,537	5,358	7,693
NATIONAL SCIENCE FOUNDATION	7,707	5,779	8,948	25,452	25,932	35,004	30,320	33,747
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	227	1,034	2,400	2,837
OFFICE OF ECONOMIC OPPORTUNITY	5,467	38,386	38,035	9,810	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	-	67	15	24	59	171	208	563
VETERANS ADMINISTRATION	-	252	370	454	94	449	-	539
ALL OTHER AGENCIES	295	625	595	1,448	8,122	9,815	11,558	15,854

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 21B. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	394,676	435,434	512,163	590,851	622,643	678,446	685,648	711,213
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	210	369	235	257	312	280	422	462
FOREST SERVICE	-	67	34	47	179	95	110	121
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	201	210	133	185	312	341
AGRICULTURAL RESEARCH	210	302	201	210	133	185	312	341
COOPERATIVE RESEARCH	-	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,526	2,343	2,819	4,190	4,887	2,403	2,088	1,162
NATIONAL BUREAU OF STANDARDS	162	42	193	817	-	169	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	413	1,137	837	1,139	2,014	1,516	1,515	1,162
OTHER COMMERCE	951	1,164	1,789	2,234	2,873	718	573	-
DEPARTMENT OF DEFENSE, TOTAL	37,037	42,947	39,202	42,651	59,177	46,702	51,461	63,111
DEPARTMENT OF THE ARMY	7,242	11,584	9,511	12,918	25,283	10,048	10,249	11,757
MILITARY FUNCTIONS	7,242	11,584	9,511	12,880	25,256	9,998	10,203	11,707
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	38	27	50	46	50
DEPARTMENT OF THE NAVY	3,617	4,031	3,917	4,954	4,782	5,221	5,611	7,424
DEPARTMENT OF THE AIR FORCE	5,735	3,194	6,508	4,678	7,560	8,764	10,054	11,191
DEFENSE AGENCIES	20,027	23,963	18,990	18,624	21,552	22,669	25,547	32,739
OTHER DOD	416	175	276	1,477	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	26,697	20,691	21,070	15,619
DEPARTMENT OF ENERGY	N/A	N/A	20,839	22,044	32,684	36,692	38,798	35,580
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	255,625	294,223	351,522	376,677	N/A	N/A	N/A	N/A

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TABLE 21B. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	19,442	17,079	26,323	23,692	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	5,061	5,945	4,904	3,746	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	1,079	1,007	2,193	5,005	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	1,286	4,077	7,779	10,507	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	217,625	237,135	278,974	298,492	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	762	3,958	2,872	3,482	N/A	N/A	N/A	N/A
OTHER HEW	10,370	25,022	28,477	31,753	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	391,465	445,151	448,398	477,251
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	31,877	30,932	29,048	29,203
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	5,021	5,209	4,712	4,712
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	4,531	2,255	2,300	2,300
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	90	-	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	331,457	386,359	393,229	423,049
OTHER HHS	N/A	N/A	N/A	N/A	18,489	20,396	19,107	17,987
DEPT OF HOUSING & URBAN DEVELOPMENT	5,360	2,807	8,294	6,941	3,737	2,118	2,060	2,207
DEPARTMENT OF THE INTERIOR, TOTAL	296	-	50	1,907	1,630	1,914	1,700	1,970
BUREAU OF MINES	-	-	-	800	1,000	1,000	1,000	1,000
GEOLOGICAL SURVEY	-	-	-	-	-	-	-	-
OTHER INTERIOR	296	-	50	1,107	630	914	700	970
DEPARTMENT OF JUSTICE	7,955	8,916	8,157	31,586	16,932	15,204	11,765	8,740
DEPARTMENT OF LABOR	1,152	1,870	1,084	5,934	3,486	11,548	9,346	3,468
DEPARTMENT OF STATE, TOTAL	4,120	3,482	3,759	13,899	446	249	85	85
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,067	3,330	3,569	13,597	N/A	N/A	N/A	N/A
OTHER STATE	53	152	190	302	446	249	85	85
DEPARTMENT OF TRANSPORTATION, TOTAL	3,022	1,108	5,064	6,080	2,609	3,521	3,119	3,069
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,690	485	3,147	4,401	1,350	1,809	1,797	1,747
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	540	-	-
OTHER TRANSPORTATION	1,332	623	1,917	1,679	1,259	1,172	1,322	1,322
DEPARTMENT OF THE TREASURY	-	-	-	-	-	84	-	116

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TABLE 21B. FEDERAL OBLIGATIONS FOR RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	9,263	22,943	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	7,100	4,584	9,905	17,175	14,500	16,300	18,943	19,680
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	1,195	2,560	1,990	2,330
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	1,195	2,560	1,990	2,330
NATIONAL AERONAUTICS & SPACE ADMIN	15,537	5,358	7,693	11,493	13,029	24,346	23,512	25,020
NATIONAL SCIENCE FOUNDATION	35,004	30,320	33,747	39,187	36,740	38,600	38,804	38,835
NUCLEAR REGULATORY COMMISSION	1,034	2,400	2,837	3,087	2,963	1,760	2,769	2,565
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	171	208	563	906	1,992	-	-	-
VETERANS ADMINISTRATION	449	-	539	492	150	-	-	-
ALL OTHER AGENCIES	9,815	11,558	15,854	6,345	8,012	8,323	9,320	9,963

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 22A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	72,517	75,675	75,315	68,731	98,209	135,701	176,509	192,169
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	-	150	-
OTHER COMMERCE	-	-	-	-	-	-	150	-
DEPARTMENT OF DEFENSE, TOTAL	3,853	2,568	4,320	1,949	392	1,314	563	442
DEPARTMENT OF THE ARMY	-	-	-	-	14	-	-	37
MILITARY FUNCTIONS	-	-	-	-	14	-	-	37
DEFENSE AGENCIES	3,734	2,258	4,020	1,714	259	1,238	531	405
OTHER DOD	119	310	300	235	119	76	32	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	116,199
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	-	-	-	-	-	20,640	29,792	16,021
NATIONAL INSTITUTES OF HEALTH	-	-	-	-	-	20,640	29,792	16,021
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	375	285	-	-	-	-	-	-
OTHER INTERIOR	375	285	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	-	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	2	-	-	-	-	-	-
OTHER TRANSPORTATION	-	2	-	-	-	-	-	-

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TABLE 22A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	66,633	69,559	64,384	60,644	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	59,547	67,000	90,757	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	1,656	702	2,253	2,609	146	39	-	-
NATIONAL SCIENCE FOUNDATION	-	2,559	4,358	3,529	2,905	2,227	2,127	397
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	35,136	44,411	52,970	59,110
SMITHSONIAN INSTITUTION	-	-	-	-	3	-	-	-
ALL OTHER AGENCIES	-	-	-	-	80	70	150	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 22B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	135,701	176,509	192,169	235,173	244,980	311,031	348,090	403,823
DEPARTMENT OF COMMERCE, TOTAL	-	150	-	-	-	-	-	-
OTHER COMMERCE	-	150	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,314	563	442	1,342	2,155	3,606	5,607	6,279
DEPARTMENT OF THE ARMY	-	-	37	-	-	-	-	-
MILITARY FUNCTIONS	-	-	37	-	-	-	-	-
DEFENSE AGENCIES	1,238	531	405	1,260	2,155	3,606	5,607	6,279
OTHER DOD	76	32	-	82	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	116,199	130,382	129,451	168,377	185,603	225,377
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	20,640	29,792	16,021	25,164	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	20,640	29,792	16,021	25,164	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	23,318	21,353	24,106	28,773
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	23,318	21,353	24,106	28,773
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	193	-	-	86	60
OTHER INTERIOR	-	-	-	193	-	-	86	60
DEPARTMENT OF STATE, TOTAL	-	-	-	45	-	-	40	40
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	45	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	-	-	-	40	40
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-

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TABLE 22B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	67,000	90,757	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	39	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,227	2,127	397	1,674	1,997	1,754	1,814	1,834
NUCLEAR REGULATORY COMMISSION	44,411	52,970	59,110	76,373	88,059	115,941	130,834	141,460
SMITHSONIAN INSTITUTION	-	-	-	-	-	-	-	-
ALL OTHER AGENCIES	70	150	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 23A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	382,572	358,908	398,441	355,168	373,988	425,512	548,278	670,304
DEPARTMENT OF COMMERCE, TOTAL	-	35	-	-	-	73	207	1,131
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	35	-	-	-	73	207	821
OTHER COMMERCE	-	-	-	-	-	-	-	310
DEPARTMENT OF DEFENSE, TOTAL	38,812	28,832	39,691	29,937	39,568	45,501	43,347	80,698
DEPARTMENT OF THE ARMY	2,951	115	4,883	103	431	2,191	102	195
MILITARY FUNCTIONS	2,911	100	4,883	103	431	2,191	102	195
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	40	15	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	14,434	12,518	14,324	10,201	15,905	12,875	18,210	60,411
DEPARTMENT OF THE AIR FORCE	225	250	280	304	564	212	744	1,121
DEFENSE AGENCIES	21,182	15,909	20,204	19,329	22,668	30,223	24,291	18,971
OTHER DOD	20	40	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	485,152
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	4,933	5,075	4,248	913	3,451	3,843	4,840	5,408
FOOD & DRUG ADMINISTRATION	-	-	4	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	-	373	625	913	2,951	3,843	4,840	5,408
OFFICE OF EDUCATION	4,933	4,702	3,619	-	-	-	-	-
OTHER HEW	-	-	-	-	500	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	550	400	530	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	152	-	-	5	-	-
BUREAU OF MINES	-	-	152	-	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	5	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	-	-	19	-	-	-	-	-

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TABLE 23A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF LABOR	-	-	-	-	349	264	130	25
DEPARTMENT OF STATE, TOTAL	-	-	-	5	-	-	-	-
OTHER STATE	-	-	-	5	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	160	250	772	978	319	109	10	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	123	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	-	374	486	170	57	10	-
OTHER TRANSPORTATION	160	250	398	369	149	52	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	244,689	244,724	243,169	254,644	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	269,627	296,942	417,680	N/A
ENVIRONMENTAL PROTECTION AGENCY	219	-	-	88	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	68,091	48,023	70,037	32,856	14,969	32,264	25,118	27,907
NATIONAL SCIENCE FOUNDATION	25,868	31,417	39,953	35,215	44,266	40,143	45,446	47,768
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	1,417	6,368	11,500	22,205
ALL OTHER AGENCIES	-	-	-	-	-	-	-	10

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 23B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	425,512	548,278	670,304	714,850	800,601	851,155	932,136	1,095,230
DEPARTMENT OF COMMERCE, TOTAL	73	207	1,131	126	270	383	650	500
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	73	207	821	126	270	383	650	500
OTHER COMMERCE	-	-	310	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	45,501	43,347	80,698	53,141	65,161	55,327	60,131	75,593
DEPARTMENT OF THE ARMY	2,191	102	195	2,236	1,729	2,685	1,802	473
MILITARY FUNCTIONS	2,191	102	195	2,236	1,729	2,685	1,802	473
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	12,875	18,210	60,411	13,594	16,721	2,579	2,635	3,550
DEPARTMENT OF THE AIR FORCE	212	744	1,121	19,600	19,760	-	100	100
DEFENSE AGENCIES	30,223	24,291	18,971	17,711	26,951	50,063	55,594	71,470
OTHER DOD	-	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	485,152	551,383	598,513	651,885	727,508	857,350
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	3,843	4,840	5,408	7,086	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	-	-	-	-	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	3,843	4,840	5,408	7,086	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	9,037	10,380	11,829	13,673
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	9,037	10,380	11,829	13,673
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	5	-	-	156	220	107	500	475
BUREAU OF MINES	-	-	-	-	150	100	100	100
GEOLOGICAL SURVEY	5	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	156	70	7	400	375

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TABLE 23B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF JUSTICE	-	-	-	-	-	-	-	-
DEPARTMENT OF LABOR	26	130	25	3	35	-	-	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	20	20	20
OTHER STATE	-	-	-	-	-	20	20	20
DEPARTMENT OF TRANSPORTATION, TOTAL	109	10	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	57	10	-	-	-	-	-	-
OTHER TRANSPORTATION	52	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	28	26	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	296,942	417,680	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	32,264	25,118	27,907	27,668	35,081	47,027	39,030	45,843
NATIONAL SCIENCE FOUNDATION	40,143	45,448	47,768	53,474	67,364	58,890	62,270	69,139
NUCLEAR REGULATORY COMMISSION	6,368	11,500	22,205	21,354	24,696	26,688	30,048	32,330
ALL OTHER AGENCIES	-	-	10	459	196	422	150	307

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 24A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	45,099	52,004	59,874	50,237	50,763	64,816	57,498	55,552
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	196	101	68	173
FOREST SERVICE	-	-	-	-	196	101	68	173
DEPARTMENT OF COMMERCE, TOTAL	3	-	-	-	100	38	100	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	38	100	-
OTHER COMMERCE	3	-	-	-	100	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	27,803	31,376	28,230	16,246	19,110	21,043	13,405	14,553
DEPARTMENT OF THE ARMY	3,795	7,610	4,979	120	29	-	102	-
MILITARY FUNCTIONS	3,795	7,610	4,979	120	29	-	102	-
DEPARTMENT OF THE NAVY	44	-	-	416	469	504	578	714
DEPARTMENT OF THE AIR FORCE	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	23,428	23,501	22,892	15,415	18,490	20,388	12,662	13,774
OTHER DOD	536	265	359	295	122	151	63	65
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	30,951
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,426	3,031	2,841	981	2,230	3,166	3,381	1,939
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	57	69	339	-
NATIONAL INSTITUTES OF HEALTH	496	794	1,256	981	1,786	2,877	2,510	1,939
OFFICE OF EDUCATION	1,930	2,237	1,585	-	-	-	-	-
OTHER HEW	-	-	-	-	387	220	532	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	212	2,500	6,324	5,195	7,487	-

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TABLE 24A. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE INTERIOR, TOTAL	97	-	-	-	-	-	-	-
BUREAU OF MINES	97	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	-	-	4,850	372	375	1,151	1,467	-
DEPARTMENT OF LABOR	-	-	-	-	100	3	-	-
DEPARTMENT OF STATE, TOTAL	-	38	94	112	162	304	89	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	221	-	-
OTHER STATE	-	38	94	112	162	83	89	-
DEPARTMENT OF TRANSPORTATION, TOTAL	575	3,248	1,718	3,384	55	57	90	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	1,599	55	5	90	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	123	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	1,931	899	-	-	-	-	-
OTHER TRANSPORTATION	575	1,192	819	1,785	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	350
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	11,308	11,958	12,052	13,927	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	16,515	23,079	22,194	N/A
ENVIRONMENTAL PROTECTION AGENCY	197	230	440	904	550	800	307	685
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	709	58	1,588	1,501	234	1,389	2,216	1,262
NATIONAL SCIENCE FOUNDATION	847	581	5,173	70	2,642	3,360	2,138	527
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	2,017	4,584	4,060	5,062
OFFICE OF ECONOMIC OPPORTUNITY	312	1,217	2,464	9,948	-	-	N/A	N/A
ALL OTHER AGENCIES	822	271	212	314	153	548	496	50

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 24B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	64,816	57,498	55,552	66,926	73,352	71,719	68,033	63,052
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	101	68	173	-	-	-	-	-
FOREST SERVICE	101	68	173	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	38	100	-	-	-	163	165	138
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	38	100	-	-	-	163	165	138
OTHER COMMERCE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	21,043	13,405	14,553	13,519	13,800	12,577	15,800	12,794
DEPARTMENT OF THE ARMY	-	102	-	230	440	1,555	1,714	2,100
MILITARY FUNCTIONS	-	102	-	230	440	1,555	1,714	2,100
DEPARTMENT OF THE NAVY	504	578	714	766	1,160	1,820	1,691	1,730
DEPARTMENT OF THE AIR FORCE	-	-	-	-	35	35	40	40
DEFENSE AGENCIES	20,388	12,662	13,774	12,254	12,165	9,167	12,355	8,924
OTHER DOD	151	63	65	269	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	280	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	30,951	40,415	44,031	45,537	36,808	29,745
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	3,166	3,381	1,939	1,413	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	69	339	-	250	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	2,877	2,510	1,939	1,163	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	220	532	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,204	600	758	4,369
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,204	600	758	1,019
OTHER HHS	N/A	N/A	N/A	N/A	-	-	-	3,350

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TABLE 24B. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPT OF HOUSING & URBAN DEVELOPMENT	5,195	7,487	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	113	115	180	160
BUREAU OF MINES	-	-	-	-	100	100	100	100
OTHER INTERIOR	-	-	-	-	13	15	80	60
DEPARTMENT OF JUSTICE	1,151	1,467	-	290	-	-	-	-
DEPARTMENT OF LABOR	3	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	304	89	-	-	69	-	50	50
AGENCY FOR INTERNATIONAL DEVELOPMENT	221	-	-	-	N/A	N/A	N/A	N/A
OTHER STATE	83	89	-	-	69	-	50	50
DEPARTMENT OF TRANSPORTATION, TOTAL	57	90	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	57	90	-	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	350	364	311	31	50	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	23,079	22,194	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	800	307	685	1,381	1,350	-	-	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	207	241	200	280
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	207	241	200	280
NATIONAL AERONAUTICS & SPACE ADMIN	1,389	2,216	1,262	671	329	359	350	350
NATIONAL SCIENCE FOUNDATION	3,360	2,138	527	870	176	265	240	360
NUCLEAR REGULATORY COMMISSION	4,584	4,060	5,062	7,993	11,297	11,731	13,283	14,615
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALL OTHER AGENCIES	546	496	50	10	185	100	149	191

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 25A. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL FIELDS	4,900,798	5,123,171	5,547,696	5,581,429	6,175,240	6,729,708	7,619,332	8,514,115
LIFE SCIENCES, TOTAL	1,439,815	1,587,773	1,848,951	1,931,101	2,265,140	2,455,195	2,649,696	3,007,749
BIOLOGICAL & AGRICULTURAL, TOTAL	865,630	942,832	1,079,707	1,123,238	1,316,179	1,452,179	1,535,798	1,777,567
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	-	-	-	-	-
ENVIRONMENTAL BIOLOGY	-	-	-	-	-	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-
MEDICAL SCIENCES, TOTAL	542,795	596,717	713,194	758,585	910,836	951,095	1,042,935	1,138,760
CLINICAL MEDICAL	374,252	391,019	464,191	494,240	565,660	550,563	586,666	634,377
OTHER MEDICAL	168,543	205,698	249,003	264,345	345,176	400,532	456,269	504,383
LIFE SCIENCES, NEC	31,390	48,224	56,050	49,278	38,125	51,921	70,963	91,422
PSYCHOLOGY, TOTAL	107,577	108,029	116,326	109,924	133,419	139,192	143,996	156,201
BIOLOGICAL ASPECTS	32,345	31,337	36,894	32,407	49,322	37,442	43,816	57,613
SOCIAL ASPECTS	53,460	54,066	50,725	47,702	51,962	57,069	54,920	54,508
PSYCHOLOGICAL SCIENCES, NEC	21,772	22,626	28,707	29,815	32,135	44,681	45,260	44,080
PHYSICAL SCIENCES, TOTAL	946,246	905,380	1,020,342	981,740	1,016,069	1,096,644	1,258,892	1,530,171
ASTRONOMY	136,455	126,852	136,405	123,085	136,030	168,319	163,093	197,305
CHEMISTRY	227,536	205,519	246,837	262,485	280,366	285,554	328,444	370,722
PHYSICS	554,570	528,783	573,591	543,236	556,641	594,954	709,263	868,260
PHYSICAL SCIENCES, NEC	27,685	44,226	63,509	52,934	43,032	47,817	58,092	95,884
ENVIRONMENTAL SCIENCES, TOTAL	485,567	534,346	567,599	580,527	636,327	727,[illegible]69	769,284	906,001
ATMOSPHERIC SCIENCES	232,780	259,873	241,330	246,590	288,296	302,248	289,312	318,368
GEOLOGICAL SCIENCES	152,809	156,010	161,091	168,390	157,063	191,713	227,162	269,430
OCEANOGRAPHY	79,752	95,833	116,453	97,888	120,014	143,792	163,967	195,894
ENVIRONMENTAL SCIENCES, NEC	20,226	22,630	48,725	67,659	70,954	89,516	88,843	122,311

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TABLE 25A. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
MATHEMATICS & COMPUTER SCIENCES, TOTAL	94,945	106,599	120,710	114,762	114,268	125,260	157,794	195,880
MATHEMATICS	-	-	-	-	-	-	69,871	96,414
COMPUTER SCIENCES	-	-	-	-	-	-	73,583	89,355
MATHEMATICS & COMPUTER SCIENCES, NEC	-	-	-	-	-	-	14,340	10,111
ENGINEERING, TOTAL	1,539,336	1,486,722	1,450,694	1,370,581	1,563,733	1,717,777	2,068,855	2,112,917
AERONAUTICAL	335,960	290,467	209,467	232,671	336,099	345,070	526,827	408,847
ASTRONAUTICAL	177,791	153,208	65,570	45,934	97,471	99,080	179,386	158,990
CHEMICAL	109,448	105,482	77,073	71,958	61,453	83,863	88,270	104,801
CIVIL	71,099	76,748	123,290	106,177	103,623	125,596	105,905	117,354
ELECTRICAL	283,505	277,931	333,660	297,577	269,240	286,968	297,685	382,727
MECHANICAL	178,337	189,159	174,749	212,937	131,712	162,480	185,680	199,173
METALLURGY & MATERIALS	136,467	157,421	182,066	172,507	190,646	221,846	274,909	293,833
ENGINEERING, NEC	246,729	236,306	284,819	230,820	373,489	392,874	409,993	447,192
SOCIAL SCIENCES, TOTAL	212,262	303,988	306,894	298,790	292,196	301,816	392,456	426,125
ANTHROPOLOGY	8,642	11,705	13,156	11,814	13,396	13,850	13,588	12,379
ECONOMICS	77,707	72,782	81,766	88,144	117,976	126,238	137,577	142,854
POLITICAL SCIENCE	7,827	4,997	4,581	7,097	8,461	11,693	7,239	8,479
SOCIOLOGY	37,803	105,300	119,378	102,073	64,294	54,907	53,646	52,157
SOCIAL SCIENCES, NEC	80,283	109,202	88,013	89,662	88,069	95,128	180,406	210,256
HISTORY	4,631	4,178	4,548	4,890	6,192	6,955	-	-
LINGUISTICS	1,712	2,699	3,813	4,187	3,148	3,049	-	-
OTHER SOCIAL SCIENCES	73,940	102,325	79,652	80,585	78,729	85,124	-	-
OTHER SCIENCES, NEC	75,050	90,336	116,180	194,004	154,088	166,555	178,559	179,071

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 25B. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	6,729,708	7,619,332	8,514,115	9,606,758	10,535,005	11,597,378	12,359,294	13,533,823
LIFE SCIENCES, TOTAL	2,455,195	2,649,698	3,007,749	3,427,133	3,848,281	4,192,335	4,435,942	4,714,349
BIOLOGICAL & AGRICULTURAL, TOTAL	1,452,179	1,535,798	1,777,567	2,024,018	2,320,322	2,507,558	2,689,186	2,882,838
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	1,488,450	1,702,249	1,830,611	1,951,562	2,102,288
ENVIRONMENTAL BIOLOGY	-	-	-	184,873	216,553	229,741	248,698	254,188
AGRICULTURAL	-	-	-	350,695	401,520	447,206	488,926	526,362
MEDICAL SCIENCES, TOTAL	951,095	1,042,935	1,138,760	1,287,447	1,380,615	1,536,888	1,599,879	1,684,463
CLINICAL MEDICAL	550,563	586,666	634,377	-	-	-	-	-
OTHER MEDICAL	400,532	456,269	504,383	-	-	-	-	-
LIFE SCIENCES, NEC	51,921	70,963	91,422	115,668	147,344	147,889	146,877	147,048
PSYCHOLOGY, TOTAL	139,192	143,996	156,201	193,243	197,384	199,009	205,965	228,217
BIOLOGICAL ASPECTS	37,442	43,816	57,613	67,831	56,767	59,882	61,099	62,727
SOCIAL ASPECTS	57,069	54,920	54,508	65,392	83,628	94,805	91,314	102,608
PSYCHOLOGICAL SCIENCES, NEC	44,681	45,260	44,080	60,020	56,989	44,322	53,552	62,882
PHYSICAL SCIENCES, TOTAL	1,096,644	1,258,892	1,530,171	1,645,647	1,792,554	2,000,612	2,233,827	2,644,129
ASTRONOMY	168,319	163,093	197,305	213,601	284,429	285,671	258,036	296,427
CHEMISTRY	285,554	328,444	370,722	404,993	443,618	454,536	513,187	570,253
PHYSICS	594,954	709,263	866,260	942,436	1,022,741	1,182,546	1,373,265	1,657,825
PHYSICAL SCIENCES, NEC	47,817	58,092	95,884	84,617	41,766	77,859	89,339	119,624
ENVIRONMENTAL SCIENCES, TOTAL	727,269	769,284	906,001	1,024,566	1,100,984	1,260,957	1,275,711	1,376,966
ATMOSPHERIC SCIENCES	302,248	289,312	318,366	319,194	348,716	409,513	395,239	436,369
GEOLOGICAL SCIENCES	191,713	227,162	269,430	316,360	358,667	401,755	432,896	473,841
OCEANOGRAPHY	143,792	163,967	195,894	223,837	220,479	262,124	260,058	274,419
ENVIRONMENTAL SCIENCES, NEC	89,516	88,843	122,311	165,175	173,1[illegible]2	187,585	187,518	192,337

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TABLE 25B. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	125,260	157,794	195,880	216,280	210,301	240,943	284,056	321,781
MATHEMATICS	-	69,871	96,414	93,352	84,179	90,926	102,942	120,409
COMPUTER SCIENCES	-	73,583	89,355	107,267	106,266	128,593	145,806	153,405
MATHEMATICS & COMPUTER SCIENCES, NEC	-	14,340	10,111	15,661	19,856	21,424	35,308	47,967
ENGINEERING, TOTAL	1,717,777	2,068,655	2,112,917	2,404,595	2,571,630	2,830,131	3,027,107	3,375,822
AERONAUTICAL	345,070	528,827	408,847	466,285	624,897	708,134	710,747	759,455
ASTRONAUTICAL	99,080	179,386	158,990	165,138	251,140	302,325	298,848	315,631
CHEMICAL	83,863	88,270	104,801	149,431	114,291	96,335	160,916	145,020
CIVIL	125,596	105,905	117,354	142,418	125,006	158,781	147,060	152,162
ELECTRICAL	286,968	297,685	382,727	432,627	417,885	517,142	576,252	711,469
MECHANICAL	162,480	185,680	199,173	234,146	195,876	207,978	200,047	227,377
METALLURGY & MATERIALS	221,846	274,909	293,833	285,973	249,346	236,184	263,597	339,584
ENGINEERING, NEC	392,874	409,993	447,192	528,577	593,209	603,252	669,640	725,124
SOCIAL SCIENCES, TOTAL	301,816	392,456	426,125	489,486	527,310	523,811	517,328	485,227
ANTHROPOLOGY	13,850	13,588	12,379	19,526	17,343	17,179	16,301	18,596
ECONOMICS	126,238	137,577	142,854	163,180	181,915	192,771	201,758	190,692
POLITICAL SCIENCE	11,693	7,239	8,479	8,816	13,916	12,170	10,401	5,846
SOCIOLOGY	54,907	53,646	52,157	60,333	64,523	71,435	69,985	61,111
SOCIAL SCIENCES, NEC	95,128	180,406	210,256	237,631	249,613	230,256	218,883	208,982
HISTORY	6,955	-	-	-	-	-	-	-
LINGUISTICS	3,049	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	85,124	-	-	-	-	-	-	-
OTHER SCIENCES NEC	166,555	178,559	179,071	205,808	286,561	349,580	379,358	387,332

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 28A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	1,946,946	2,006,207	2,223,033	2,241,675	2,398,189	2,600,383	2,778,727	3,269,497
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	115,709	118,414	137,311	142,726	145,611	154,184	171,371	204,450
FOREST SERVICE	14,548	15,651	18,318	19,286	20,685	21,098	22,572	26,718
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	173,962
AGRICULTURAL RESEARCH	73,342	72,070	82,889	84,644	85,489	91,192	101,686	125,601
COOPERATIVE RESEARCH	23,200	25,750	31,382	33,974	33,980	38,434	43,088	48,361
OTHER AGRICULTURE	4,619	4,943	4,722	4,822	5,457	3,460	4,025	3,770
DEPARTMENT OF COMMERCE, TOTAL	39,201	41,777	44,024	18,313	18,189	20,065	22,274	23,159
NATIONAL BUREAU OF STANDARDS	14,350	14,498	4,850	4,452	6,152	5,353	5,798	6,918
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	21,038	26,066	36,098	9,669	10,508	11,956	11,273	10,857
OTHER COMMERCE	3,813	1,215	3,078	2,192	1,529	2,756	5,203	5,384
DEPARTMENT OF DEFENSE, TOTAL	317,013	322,139	328,774	306,711	302,943	300,065	326,885	373,254
DEPARTMENT OF THE ARMY	76,307	78,533	82,465	76,850	76,346	71,690	81,386	99,039
MILITARY FUNCTIONS	75,858	77,831	81,781	76,850	76,346	71,690	80,746	98,487
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	449	702	684	-	-	-	640	552
DEPARTMENT OF THE NAVY	117,828	114,611	124,601	112,690	114,194	118,702	129,673	153,769
DEPARTMENT OF THE AIR FORCE	84,603	84,456	86,356	79,927	77,503	78,941	83,926	84,800
DEFENSE AGENCIES	38,275	44,539	35,352	37,244	34,900	30,732	31,900	35,646
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	389,450
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	512,964	574,523	665,362	667,348	850,065	903,747	986,172	1,119,495
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	52,555	53,297	66,245	52,557	62,670
HEALTH SERVICES & MENTAL HEALTH ADMIN	60,340	63,568	75,333	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	11,386	4,800	1,894	5,081	11,880
NATIONAL INSTITUTES OF HEALTH	444,409	503,707	585,700	592,986	775,300	828,520	920,312	1,032,776

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TABLE 26A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF EDUCATION	7,812	6,815	3,707	63	166	-	-	-
OTHER HEW	403	433	622	10,378	16,502	7,088	8,222	12,169
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	39,485	41,711	43,052	48,741	48,681	54,944	54,330	63,579
BUREAU OF MINES	6,248	6,525	7,846	6,863	5,637	1,935	800	4,000
GEOLOGICAL SURVEY	20,229	20,640	21,469	27,747	27,193	38,606	39,533	40,318
OTHER INTERIOR	13,008	14,546	13,737	14,131	15,851	14,403	13,997	19,261
DEPARTMENT OF JUSTICE	-	-	-	2,094	2,089	9,465	4,500	5,100
DEPARTMENT OF LABOR	2,052	2,502	1,103	1,330	1,199	877	958	703
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	1,500	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	1,500	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	364	341	535	166	275	75	-	-
OTHER TRANSPORTATION	364	341	535	166	275	75	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	286,669	276,897	268,289	275,156	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	269,504	312,758	345,790	N/A
ENVIRONMENTAL PROTECTION AGENCY	5,450	6,100	6,118	9,030	9,500	17,400	13,700	8,298
NATIONAL AERONAUTICS & SPACE ADMIN	357,530	327,301	331,611	350,279	305,857	309,335	293,209	413,774
NATIONAL SCIENCE FOUNDATION	244,977	272,566	367,691	392,442	415,217	485,989	523,634	624,900
OFFICE OF ECONOMIC OPPORTUNITY	1,600	3,235	4,237	865	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	18,217	15,082	21,271	24,041	24,713	24,785	25,735	29,651
VETERANS ADMINISTRATION	5,260	3,077	3,150	3,195	3,560	3,880	8,900	9,095
ALL OTHER AGENCIES	455	542	505	1,238	786	1,314	1,269	4,591

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 26B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	2,600,383	2,778,727	3,269,497	3,710,659	4,205,516	4,688,153	5,036,672	5,550,973
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	154,184	171,371	204,450	242,704	256,420	275,650	319,260	362,893
FOREST SERVICE	21,098	22,572	26,718	30,840	31,400	33,727	36,900	40,500
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	173,962	207,940	218,630	232,995	271,188	310,798
AGRICULTURAL RESEARCH	91,192	101,686	125,601	142,379	148,170	157,773	189,550	208,809
COOPERATIVE RESEARCH	38,434	43,088	48,361	65,561	70,460	75,222	81,638	101,989
OTHER AGRICULTURE	3,460	4,025	3,770	3,924	6,390	8,928	11,172	11,595
DEPARTMENT OF COMMERCE, TOTAL	20,065	22,274	23,159	23,861	24,751	29,907	32,210	36,670
NATIONAL BUREAU OF STANDARDS	5,353	5,798	8,918	5,909	8,800	12,784	15,974	18,898
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	11,956	11,273	10,857	12,055	12,851	13,997	14,665	16,750
OTHER COMMERCE	2,756	5,203	5,384	5,897	3,100	3,126	1,571	1,024
DEPARTMENT OF DEFENSE, TOTAL	300,065	326,885	373,254	410,410	471,527	540,341	612,925	721,990
DEPARTMENT OF THE ARMY	71,690	81,386	99,039	104,073	115,040	132,190	143,135	192,400
MILITARY FUNCTIONS	71,690	80,746	98,487	103,443	114,058	131,000	142,000	191,200
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	640	552	630	982	1,190	1,135	1,200
DEPARTMENT OF THE NAVY	118,702	129,673	153,769	172,088	192,122	214,900	240,400	282,000
DEPARTMENT OF THE AIR FORCE	78,941	83,926	84,800	95,100	105,025	108,200	127,700	153,700
DEFENSE AGENCIES	30,732	31,900	35,646	39,149	59,340	85,051	101,690	93,890
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	20,567	17,583	17,338	13,489
DEPARTMENT OF ENERGY	N/A	N/A	389,450	440,534	462,968	523,136	594,696	681,712
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	903,747	986,172	1,119,495	1,292,339	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	66,245	52,557	62,670	79,917	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	1,894	5,081	11,880	18,276	N/A	N/A	N/A	N/A

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TABLE 26B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	198[illegible]	ESTIMATES 1981	ESTIMATES 1982
NATIONAL INSTITUTES OF HEALTH	828,520	920,312	1,032,776	1,181,094	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	7,088	8,222	12,169	13,052	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,576,011	1,762,668	1,871,632	2,016,970
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	94,622	104,738	107,846	124,138
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,463,703	1,642,341	1,745,645	1,883,650
OTHER HHS	N/A	N/A	N/A	N/A	17,686	15,591	18,141	9,182
DEPARTMENT OF THE INTERIOR, TOTAL	54,944	54,330	63,579	65,876	72,522	71,634	77,343	79,248
BUREAU OF MINES	1,935	800	4,000	8,600	13,700	11,500	12,400	13,700
GEOLOGICAL SURVEY	38,606	39,533	40,318	46,288	49,009	47,319	54,392	60,725
OTHER INTERIOR	14,403	13,997	19,261	10,988	9,813	12,815	10,551	4,821
DEPARTMENT OF JUSTICE	9,465	4,500	5,100	14,700	7,900	9,525	6,864	5,650
DEPARTMENT OF LABOR	877	958	703	3,678	2,286	3,876	3,479	2,199
DEPARTMENT OF STATE, TOTAL	1,500	-	-	-	45	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	-	-	-	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	-	45	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	75	-	-	-	-	-	500	-
OTHER TRANSPORTATION	75	-	-	-	-	-	500	-
DEPARTMENT OF THE TREASURY	-	-	-	-	220	1,731	2,282	2,380
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	312,758	345,790	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	17,400	13,700	8,296	6,010	10,100	13,600	14,200	13,800
NATIONAL AERONAUTICS & SPACE ADMIN	309,335	293,209	413,774	479,729	512,847	559,113	540,394	593,018
NATIONAL SCIENCE FOUNDATION	485,989	523,634	624,900	678,040	733,255	815,248	873,640	945,444
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	24,785	25,735	29,651	34,898	38,901	41,006	45,188	50,489
VETERANS ADMINISTRATION	3,880	8,900	9,095	8,891	9,523	14,300	15,000	15,100
ALL OTHER AGENCIES	1,314	1,269	4,591	8,991	7,673	8,837	9,721	9,923

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 27A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY PERFORMER: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

PERFORMER	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL	1,946,946	2,006,207	2,223,033	2,241,675	2,398,189	2,600,383	2,778,727	3,269,497
FEDERAL INTRAMURAL 1/	576,583	585,934	624,590	617,126	705,047	744,912	796,880	924,726
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	184,984	166,602	151,428	176,139	123,963	118,506	131,077	208,130
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	29,746	29,227	32,188	39,403	31,545	47,857	59,811	53,065
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	808,700	883,018	1,026,895	1,048,741	1,146,107	1,261,165	1,342,148	1,555,282
FFRDC'S ADMINISTERED BY UNIVERSITIES	236,984	227,724	254,485	228,984	223,098	257,548	284,884	324,119
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	80,551	85,670	97,143	98,497	127,067	128,234	126,494	162,530
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	3,536	2,159	7,235	3,441	6,210	13,824	7,892	5,645
STATE AND LOCAL GOVERNMENTS	14,863	17,918	17,398	16,194	16,812	14,009	12,914	15,603
FOREIGN	10,999	7,955	11,671	13,150	18,340	14,328	16,627	20,397

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 27B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY PERFORMER: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
TOTAL	2,600,383	2,778,727	3,269,497	3,710,659	4,205,516	4,688,153	5,038,872	5,550,973
FEDERAL INTRAMURAL 1/	744,912	796,880	924,728	1,039,576	1,099,604	1,193,332	1,289,146	1,424,158
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	118,506	131,077	208,130	247,934	277,823	328,169	305,534	353,593
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	47,857	59,811	53,065	65,416	66,642	70,352	80,901	93,929
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	1,261,165	1,342,148	1,555,282	1,760,645	2,081,175	2,322,233	2,524,146	2,760,851
FFRDC'S ADMINISTERED BY UNIVERSITIES	257,548	284,884	324,119	356,772	393,607	436,824	488,310	550,369
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	128,234	126,494	162,530	192,873	240,691	279,760	284,464	304,741
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	13,824	7,892	5,645	5,769	6,700	7,509	7,687	7,648
STATE AND LOCAL GOVERNMENTS	14,009	12,914	15,603	17,050	19,758	23,875	24,816	27,482
FOREIGN	14,328	16,627	20,397	24,624	19,516	28,099	31,668	28,202

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 28A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	576,583	585,934	624,590	617,126	705,047	744,912	796,880	924,728
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	85,437	86,500	97,425	99,659	102,672	107,477	119,645	144,206
FOREST SERVICE	13,264	15,091	16,462	18,974	16,452	15,973	18,951	20,677
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	119,849
AGRICULTURAL RESEARCH	66,858	65,833	75,487	77,140	79,771	86,918	95,666	118,321
COOPERATIVE RESEARCH	790	803	862	882	1,075	1,200	1,148	1,528
OTHER AGRICULTURE	4,525	4,773	4,614	4,663	5,374	3,386	3,880	3,880
DEPARTMENT OF COMMERCE, TOTAL	35,876	35,321	32,495	14,329	15,162	17,168	18,447	18,385
NATIONAL BUREAU OF STANDARDS	13,982	14,035	4,266	3,977	5,588	4,845	5,235	6,094
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	18,146	20,493	27,647	9,041	9,149	11,400	10,863	10,642
OTHER COMMERCE	3,748	793	582	1,311	425	923	2,349	1,649
DEPARTMENT OF DEFENSE, TOTAL	148,462	140,521	152,954	143,536	144,630	142,712	161,916	165,574
DEPARTMENT OF THE ARMY	47,463	46,647	47,750	48,041	46,816	36,271	46,013	57,798
MILITARY FUNCTIONS	47,134	46,327	47,211	48,041	46,816	36,271	45,556	57,288
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	329	320	539	-	-	-	457	510
DEPARTMENT OF THE NAVY	62,410	50,808	58,278	51,950	53,901	58,592	67,956	76,243
DEPARTMENT OF THE AIR FORCE	38,071	42,218	45,769	38,680	41,861	43,070	42,169	25,338
DEFENSE AGENCIES	518	848	1,157	4,865	2,052	4,779	5,778	6,195
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	659
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	106,508	131,417	137,316	145,004	164,376	188,611	206,618	230,737
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	17,642	9,752	19,584	15,859	19,318
HEALTH SERVICES & MENTAL HEALTH ADMIN	18,177	23,492	16,832	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	878	1,397	1,476	921	2,358
NATIONAL INSTITUTES OF HEALTH	87,628	107,351	119,788	125,386	149,247	163,946	186,884	204,991

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TABLE 28A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF EDUCATION	298	141	74	1	1	-	-	-
OTHER HEW	403	433	622	1,097	3,979	3,605	2,954	4,070
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	29,452	30,278	32,607	37,335	38,682	47,832	48,504	55,774
BUREAU OF MINES	5,727	5,835	6,974	5,883	4,327	1,800	800	4,000
GEOLOGICAL SURVEY	19,979	20,514	21,443	27,226	26,274	36,958	39,008	38,729
OTHER INTERIOR	3,746	3,927	4,190	4,226	8,081	9,074	8,696	13,045
DEPARTMENT OF JUSTICE	-	-	-	505	200	198	700	536
DEPARTMENT OF LABOR	1,787	2,072	709	518	358	241	294	199
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	1,500	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	1,500	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	56	62	29	140	180	75	-	-
OTHER TRANSPORTATION	56	62	29	140	180	75	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	922	735	513	626	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,693	195	286	N/A
ENVIRONMENTAL PROTECTION AGENCY	50	80	361	452	475	870	685	415
NATIONAL AERONAUTICS & SPACE ADMIN	133,966	128,315	132,511	141,419	164,403	172,768	146,877	192,243
NATIONAL SCIENCE FOUNDATION	11,200	13,545	14,411	8,211	45,635	37,575	58,381	75,392
OFFICE OF ECONOMIC OPPORTUNITY	600	287	700	100	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	16,634	13,294	19,020	21,155	22,728	23,244	24,679	27,293
VETERANS ADMINISTRATION	5,180	2,987	3,034	2,542	3,529	3,807	8,900	8,848
ALL OTHER AGENCIES	455	542	505	1,195	326	641	948	4,465

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 28B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	744,912	796,880	924,726	1,039,576	1,099,604	1,193,332	1,289,148	1,424,158
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	107,477	119,645	144,206	160,599	168,895	179,538	211,425	231,105
FOREST SERVICE	15,973	18,951	20,677	24,104	24,512	28,328	30,896	33,586
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	119,849	132,846	138,165	144,896	172,570	188,975
AGRICULTURAL RESEARCH	86,918	95,666	118,321	130,615	135,793	142,185	169,664	185,456
COOPERATIVE RESEARCH	1,200	1,148	1,528	2,231	2,372	2,711	2,906	3,519
OTHER AGRICULTURE	3,386	3,880	3,680	3,649	6,218	6,314	7,959	8,544
DEPARTMENT OF COMMERCE, TOTAL	17,168	18,447	18,385	16,274	19,485	23,444	27,471	31,914
NATIONAL BUREAU OF STANDARDS	4,845	5,235	6,094	5,485	8,540	12,158	15,274	18,046
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	11,400	10,863	10,642	10,318	10,478	10,867	11,861	13,561
OTHER COMMERCE	923	2,349	1,649	471	447	419	336	307
DEPARTMENT OF DEFENSE, TOTAL	142,712	161,916	165,574	163,718	183,472	198,696	215,855	255,384
DEPARTMENT OF THE ARMY	36,271	46,013	57,798	56,776	57,008	82,544	87,411	107,470
MILITARY FUNCTIONS	36,271	45,556	57,288	56,242	56,116	81,510	86,424	106,426
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	457	510	534	892	1,034	987	1,044
DEPARTMENT OF THE NAVY	58,592	67,956	76,243	78,540	93,028	82,259	91,472	98,846
DEPARTMENT OF THE AIR FORCE	43,070	42,169	25,338	23,223	24,951	24,284	26,130	34,495
DEFENSE AGENCIES	4,779	5,778	6,195	5,179	8,485	9,609	10,842	14,573
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	3,808	525	500	500
DEPARTMENT OF ENERGY	N/A	N/A	659	7,180	4,809	5,646	6,831	8,099
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	188,611	206,618	230,737	284,544	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	19,584	15,859	19,318	32,556	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	1,476	921	2,358	3,036	N/A	N/A	N/A	N/A

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TABLE 28B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
NATIONAL INSTITUTES OF HEALTH	163,946	186,884	204,991	244,690	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	3,605	2,954	4,070	4,262	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	322,890	362,882	383,600	419,388
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	36,109	36,717	41,452	56,873
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	280,912	319,641	335,300	359,749
OTHER HHS	N/A	N/A	N/A	N/A	5,869	6,524	6,848	2,764
DEPARTMENT OF THE INTERIOR, TOTAL	47,832	48,504	55,774	57,496	62,863	61,797	69,680	76,413
BUREAU OF MINES	1,800	800	4,000	8,600	13,700	11,500	12,400	13,700
GEOLOGICAL SURVEY	36,958	39,008	38,729	43,178	45,015	44,919	52,017	58,350
OTHER INTERIOR	9,074	8,696	13,045	5,718	4,148	5,378	5,263	4,363
DEPARTMENT OF JUSTICE	196	700	536	849	695	80	55	200
DEPARTMENT OF LABOR	241	294	199	255	1,008	1,246	926	1,186
DEPARTMENT OF STATE, TOTAL	1,500	-	-	-	2	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,500	-	-	-	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	-	2	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	75	-	-	-	-	-	500	-
OTHER TRANSPORTATION	75	-	-	-	-	-	500	-
DEPARTMENT OF THE TREASURY	-	-	-	-	95	1,573	2,214	1,197
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	195	286	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	870	685	415	3,125	4,370	6,070	6,496	5,930
NATIONAL AERONAUTICS & SPACE ADMIN	172,768	146,877	192,243	221,459	221,125	225,454	224,351	248,058
NATIONAL SCIENCE FOUNDATION	37,575	58,381	75,392	76,596	56,964	68,086	74,380	75,210
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	23,244	24,679	27,293	31,996	33,685	36,557	41,575	45,989
VETERANS ADMINISTRATION	3,807	8,900	8,848	8,847	9,352	14,275	14,955	15,055
ALL OTHER AGENCIES	641	948	4,465	6,838	6,106	7,163	8,332	8,534

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 29A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	184,984	166,602	151,428	176,139	123,983	118,506	131,077	208,130
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	181	64	93	825	511	439	164	620
FOREST SERVICE	-	-	79	776	495	382	126	419
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	201
AGRICULTURAL RESEARCH	159	64	14	49	16	57	38	201
OTHER AGRICULTURE	2	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	-	220	2,328	438	926	1,402	1,325	1,326
NATIONAL BUREAU OF STANDARDS	-	-	10	-	-	-	-	33
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	15	-	-	-	-
OTHER COMMERCE	-	220	2,318	423	926	1,402	1,325	1,293
DEPARTMENT OF DEFENSE, TOTAL	29,549	42,393	36,978	35,336	37,717	41,806	41,100	51,025
DEPARTMENT OF THE ARMY	1,166	3,857	3,584	1,876	2,737	6,925	5,492	5,053
MILITARY FUNCTIONS	1,166	3,857	3,584	1,876	2,737	6,925	5,492	5,053
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	7,190	13,159	15,272	15,198	15,072	13,833	13,485	16,748
DEPARTMENT OF THE AIR FORCE	9,306	7,599	7,772	6,394	10,850	11,841	12,589	16,960
DEFENSE AGENCIES	11,887	17,778	10,350	11,868	9,058	9,407	9,534	12,264
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	642
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	6,946	6,706	10,493	10,848	15,725	13,519	14,708	13,194
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	-	2,041	-	-
HEALTH SERVICES & MENTAL HEALTH ADMIN	767	-	-	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	-	-	-	317	480
NATIONAL INSTITUTES OF HEALTH	6,179	6,706	10,301	10,848	15,855	11,322	14,105	12,617
OFFICE OF EDUCATION	-	-	192	-	-	-	-	-

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TABLE 29A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER HEW	-	-	-	-	70	156	286	97
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	128	334	330	595	536	1,076	1,298	1,472
OTHER INTERIOR	128	334	330	595	536	1,076	1,298	1,472
DEPARTMENT OF JUSTICE	-	-	-	-	767	-	-	-
DEPARTMENT OF LABOR	34	55	41	44	137	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	7	156	315	-	-	-	-	-
OTHER TRANSPORTATION	7	156	315	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	1,092	999	563	171	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	564	96	268	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	146,072	114,215	97,309	125,317	64,145	53,270	65,798	134,653
NATIONAL SCIENCE FOUNDATION	990	1,230	1,800	2,522	2,858	6,495	6,340	5,018
OFFICE OF ECONOMIC OPPORTUNITY	-	230	1,178	-	-	-	N/A	N/A
VETERANS ADMINISTRATION	5	-	-	-	-	-	-	90
ALL OTHER AGENCIES	-	-	-	43	77	403	76	90

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 29B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	118,506	131,077	208,130	247,934	277,823	328,169	305,534	353,593
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	439	184	620	650	2,141	2,588	4,508	4,922
FOREST SERVICE	382	126	419	437	405	67	73	73
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	201	213	1,736	2,521	4,435	4,849
AGRICULTURAL RESEARCH	57	38	201	213	1,736	2,521	4,435	4,849
OTHER AGRICULTURE	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,402	1,325	1,326	2,852	2,751	2,703	1,654	1,676
NATIONAL BUREAU OF STANDARDS	-	-	33	23	70	90	100	250
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	219	749	893	959	1,116
OTHER COMMERCE	1,402	1,325	1,293	2,610	1,932	1,720	595	310
DEPARTMENT OF DEFENSE, TOTAL	41,806	41,100	51,025	57,462	65,898	87,503	89,333	107,313
DEPARTMENT OF THE ARMY	6,925	5,492	5,053	4,530	4,759	11,058	10,011	15,950
MILITARY FUNCTIONS	6,925	5,492	5,053	4,495	4,699	10,980	9,945	15,878
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	35	60	78	66	72
DEPARTMENT OF THE NAVY	13,633	13,485	16,748	18,576	17,286	24,539	22,437	31,681
DEPARTMENT OF THE AIR FORCE	11,841	12,589	16,960	19,971	23,590	23,071	29,070	34,327
DEFENSE AGENCIES	9,407	9,534	12,264	14,385	20,263	28,835	27,815	25,355
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	812	875	800	500
DEPARTMENT OF ENERGY	N/A	N/A	642	1,798	1,912	4,280	3,531	2,092
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	13,519	14,708	13,194	15,236	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	2,041	-	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	-	317	480	731	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	11,322	14,105	12,617	14,235	N/A	N/A	N/A	N/A

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TABLE 29B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	156	286	97	270	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	19,358	17,707	18,562	21,903
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	175	37	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	17,676	15,778	17,202	20,720
OTHER HHS	N/A	N/A	N/A	N/A	1,507	1,892	1,360	1,183
DEPARTMENT OF THE INTERIOR, TOTAL	1,076	1,298	1,472	1,405	612	1,994	695	148
OTHER INTERIOR	1,076	1,298	1,472	1,405	612	1,994	695	148
DEPARTMENT OF JUSTICE	-	-	-	1,500	158	-	-	-
DEPARTMENT OF LABOR	-	-	-	-	144	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	125	85	68	1,107
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	96	268	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	1,563	3,060	2,830	3,994	3,582
NATIONAL AERONAUTICS & SPACE ADMIN	53,270	65,798	134,653	153,065	174,519	194,642	170,780	191,607
NATIONAL SCIENCE FOUNDATION	6,495	6,340	5,018	12,024	6 333	10,962	11,609	18,743
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	-	-	90	-	-	-	-	-
ALL OTHER AGENCIES	403	76	90	379	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 30A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	808,700	883,018	1,026,895	1,048,741	1,146,107	1,261,165	1,342,148	1,555,282
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	25,732	28,334	34,846	37,209	38,135	43,290	47,004	56,130
FOREST SERVICE	650	557	1,756	1,480	3,410	4,650	3,411	5,501
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	50,539
AGRICULTURAL RESEARCH	2,695	2,794	2,582	2,614	1,872	1,482	1,674	3,902
COOPERATIVE RESEARCH	22,296	24,830	30,400	32,956	32,770	37,084	41,774	46,637
OTHER AGRICULTURE	91	153	108	159	83	74	145	90
DEPARTMENT OF COMMERCE, TOTAL	1,038	4,277	6,144	1,382	2,091	1,495	1,644	2,396
NATIONAL BUREAU OF STANDARDS	368	443	486	402	554	508	529	709
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	605	3,662	5,510	552	1,359	556	410	215
OTHER COMMERCE	65	172	148	428	178	431	705	1,472
DEPARTMENT OF DEFENSE, TOTAL	127,099	129,876	130,132	114,677	106,279	105,530	112,003	141,754
DEPARTMENT OF THE ARMY	24,587	23,897	23,493	21,989	22,884	25,787	24,865	33,289
MILITARY FUNCTIONS	24,467	23,515	26,348	21,989	22,884	25,787	24,682	33,247
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	120	382	145	-	-	-	183	42
DEPARTMENT OF THE NAVY	44,869	47,894	48,702	42,777	43,010	43,795	45,192	53,578
DEPARTMENT OF THE AIR FORCE	35,852	32,936	32,283	34,001	23,251	22,893	23,325	40,704
DEFENSE AGENCIES	21,791	25,149	22,654	15,910	17,134	13,055	13,621	14,183
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	71,103
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	328,182	362,707	434,690	433,500	555,960	580,191	634,379	719,343
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	31,728	31,396	32,586	29,266	31,914
HEALTH SERVICES & MENTAL HEALTH ADMIN	31,679	29,386	43,313	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	6,839	2,392	245	1,348	4,685
NATIONAL INSTITUTES OF HEALTH	293,163	328,298	389,717	390,131	513,932	545,216	600,008	677,091

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TABLE 30A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF EDUCATION	3,340	5,023	1,660	82	165	-	-	-
OTHER HEW	-	-	-	4,740	8,075	2,144	3,757	5,653
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	5,325	5,426	5,319	5,135	6,736	5,739	4,392	5,443
BUREAU OF MINES	521	690	827	980	1,310	135	-	-
GEOLOGICAL SURVEY	250	126	26	521	919	1,648	525	1,589
OTHER INTERIOR	4,554	4,610	4,466	3,634	4,507	3,956	3,867	3,854
DEPARTMENT OF JUSTICE	-	-	-	960	493	6,351	1,226	2,216
DEPARTMENT OF LABOR	85	138	132	523	382	636	538	504
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	-	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	301	123	163	-	-	-	-	-
OTHER TRANSPORTATION	301	123	163	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	79,212	73,055	64,639	59,919	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	57,436	57,511	68,270	N/A
ENVIRONMENTAL PROTECTION AGENCY	4,558	5,560	5,657	8,325	8,425	15,730	12,705	7,626
NATIONAL AERONAUTICS & SPACE ADMIN	34,102	49,957	40,514	56,266	61,285	64,548	67,157	71,988
NATIONAL SCIENCE FOUNDATION	200,951	220,323	301,218	327,163	306,938	378,721	391,923	474,892
OFFICE OF ECONOMIC OPPORTUNITY	1,000	1,537	1,189	765	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	1,080	1,691	2,236	2,862	1,923	1,370	848	1,795
VETERANS ADMINISTRATION	35	14	16	55	24	-	-	92
ALL OTHER AGENCIES	-	-	-	-	-	53	59	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 30B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	1,261,165	1,342,148	1,555,282	1,760,645	2,081,175	2,322,233	2,524,146	2,760,851
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	43,290	47,004	56,130	77,712	83,967	90,245	99,524	122,569
FOREST SERVICE	4,650	3,411	5,501	6,209	5,964	5,003	5,562	6,468
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	50,539	71,228	77,831	84,630	92,951	115,639
AGRICULTURAL RESEARCH	1,482	1,674	3,902	8,102	9,944	12,339	14,456	17,445
COOPERATIVE RESEARCH	37,084	41,774	46,637	63,126	67,887	72,291	78,495	98,194
OTHER AGRICULTURE	74	145	90	275	172	612	1,011	462
DEPARTMENT OF COMMERCE, TOTAL	1,495	1,644	2,396	3,688	1,843	3,072	2,646	2,761
NATIONAL BUREAU OF STANDARDS	508	529	709	401	190	536	600	600
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	556	410	215	1,411	1,250	1,980	1,571	1,754
OTHER COMMERCE	431	705	1,472	1,874	403	556	475	407
DEPARTMENT OF DEFENSE, TOTAL	105,530	112,003	141,754	167,865	178,902	208,336	254,987	314,425
DEPARTMENT OF THE ARMY	25,787	24,865	33,289	36,113	36,052	33,922	41,964	63,599
MILITARY FUNCTIONS	25,787	24,682	33,247	36,052	36,022	33,844	41,882	63,515
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	183	42	61	30	78	82	84
DEPARTMENT OF THE NAVY	43,795	45,192	53,578	67,182	74,473	100,197	118,140	143,773
DEPARTMENT OF THE AIR FORCE	22,893	28,325	40,704	49,547	50,350	55,327	65,830	77,694
DEFENSE AGENCIES	13,055	13,621	14,183	15,023	18,027	18,890	29,053	29,359
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	8,710	9,633	9,575	7,525
DEPARTMENT OF ENERGY	N/A	N/A	71,103	85,514	97,215	116,009	132,804	150,004
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	580,191	634,379	719,343	816,653	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	32,586	29,266	31,914	35,746	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	245	1,348	4,685	7,675	N/A	N/A	N/A	N/A

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TABLE 30B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
NATIONAL INSTITUTES OF HEALTH	545,216	600,008	677,091	767,602	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	2,144	3,757	5,653	5,630	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,020,679	1,120,999	1,198,788	1,281,955
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	47,284	51,912	50,810	52,274
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	965,810	1,062,958	1,140,049	1,226,290
OTHER HHS	N/A	N/A	N/A	N/A	7,585	6,129	7,929	3,391
DEPARTMENT OF THE INTERIOR, TOTAL	5,739	4,092	5,443	6,747	8,794	6,782	4,151	2,455
BUREAU OF MINES	135	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	1,648	525	1,589	3,110	3,994	2,400	2,375	2,375
OTHER INTERIOR	3,956	3,867	3,854	3,637	4,800	4,382	1,776	80
DEPARTMENT OF JUSTICE	6,351	1,228	2,216	3,978	3,452	3,304	2,313	1,465
DEPARTMENT OF LABOR	636	538	504	3,351	1,134	2,169	2,193	1,013
DEPARTMENT OF STATE, TOTAL	-	-	-	-	25	-	-	-
OTHER STATE	-	-	-	-	25	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	57,511	68,270	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	15,730	12,705	7,626	1,322	2,670	4,700	3,710	4,288
NATIONAL AERONAUTICS & SPACE ADMIN	64,548	67,157	71,388	88,341	98,785	112,751	122,000	127,000
NATIONAL SCIENCE FOUNDATION	378,721	391,923	474,892	502,019	574,137	642,924	690,112	744,048
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	1,370	848	1,795	1,994	1,224	-	-	-
VETERANS ADMINISTRATION	-	-	92	131	171	25	45	45
ALL OTHER AGENCIES	53	59	-	1,332	1,467	1,284	1,298	1,298

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 31A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	80,551	85,670	97,143	98,497	127,067	128,234	126,494	162,530
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	429	343	238	153	211	79	180	109
FOREST SERVICE	-	3	21	26	140	-	67	34
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	75
AGRICULTURAL RESEARCH	315	340	217	127	71	79	113	75
COOPERATIVE RESEARCH	114	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	403	550	743	30	10	-	672	660
NATIONAL BUREAU OF STANDARDS	-	-	-	-	10	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	403	520	713	-	-	-	-	-
OTHER COMMERCE	-	30	30	30	-	-	672	660
DEPARTMENT OF DEFENSE, TOTAL	8,430	7,312	7,005	10,495	7,410	6,316	8,119	7,885
DEPARTMENT OF THE ARMY	2,463	3,184	3,455	4,090	3,157	2,111	4,485	2,138
MILITARY FUNCTIONS	2,463	3,184	3,455	4,090	3,157	2,111	4,485	2,138
DEPARTMENT OF THE NAVY	3,012	2,519	2,031	2,414	1,665	1,912	1,961	2,798
DEPARTMENT OF THE AIR FORCE	651	845	328	495	775	197	210	848
DEFENSE AGENCIES	2,304	764	1,191	3,496	1,813	2,096	1,463	2,101
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	578
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	58,223	62,447	68,275	63,330	90,750	92,881	94,303	125,508
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	1,921	8,490	7,983	4,912	9,583
HEALTH SERVICES & MENTAL HEALTH ADMIN	8,090	8,758	12,214	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	3,619	1,011	173	1,919	3,207
NATIONAL INSTITUTES OF HEALTH	47,559	52,940	54,455	55,187	80,570	84,311	88,329	111,560
OFFICE OF EDUCATION	2,574	751	1,608	-	-	-	-	-
OTHER HEW	-	-	-	2,623	679	414	1,143	1,168

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TABLE 31A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	277	579	177	168	29	-	-	-
OTHER INTERIOR	277	579	177	168	29	-	-	-
DEPARTMENT OF JUSTICE	-	-	-	629	629	1,967	1,519	2,348
DEPARTMENT OF LABOR	99	160	171	142	254	-	126	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	-	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	1,943	1,576	1,800	1,247	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	428	105	841	N/A
ENVIRONMENTAL PROTECTION AGENCY	809	145	-	253	600	800	310	255
NATIONAL AERONAUTICS & SPACE ADMIN	4,031	7,212	11,614	4,556	12,117	5,417	2,718	4,000
NATIONAL SCIENCE FOUNDATION	5,907	4,002	5,835	17,272	14,180	20,208	17,374	20,537
OFFICE OF ECONOMIC OPPORTUNITY	-	1,181	1,170	-	-	-	N/A	N/A
SMITHSONIAN INSTITUTION	-	67	15	24	59	171	208	563
VETERANS ADMINISTRATION	-	96	100	198	7	73	-	53
ALL OTHER AGENCIES	-	-	-	-	383	217	124	36

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 31B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	128,234	126,494	162,530	192,873	240,691	279,760	284,464	304,741
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	79	180	109	110	133	118	196	214
FOREST SERVICE	-	67	34	31	72	29	38	42
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	75	79	61	89	158	172
AGRICULTURAL RESEARCH	79	113	75	79	61	89	158	172
COOPERATIVE RESEARCH	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	-	672	660	1,049	692	435	397	319
NATIONAL BUREAU OF STANDARDS	-	-	-	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	107	374	257	274	319
OTHER COMMERCE	-	672	660	942	318	178	123	-
DEPARTMENT OF DEFENSE, TOTAL	6,316	8,119	7,885	12,836	26,351	13,118	14,018	18,183
DEPARTMENT OF THE ARMY	2,111	4,485	2,138	4,792	16,112	2,842	1,821	3,214
MILITARY FUNCTIONS	2,111	4,485	2,138	4,792	16,112	2,842	1,821	3,214
DEPARTMENT OF THE NAVY	1,912	1,961	2,798	3,504	3,286	4,405	4,770	6,072
DEPARTMENT OF THE AIR FORCE	197	210	848	1,142	4,034	3,339	4,000	4,720
DEFENSE AGENCIES	2,096	1,463	2,101	3,398	2,919	2,532	3,427	4,177
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	5,127	5,599	5,563	4,214
DEPARTMENT OF ENERGY	N/A	N/A	576	991	1,377	1,790	2,258	1,868
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	92,881	94,303	125,508	135,237	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	7,983	4,912	9,583	9,420	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	173	1,919	3,207	5,084	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	84,311	88,329	111,560	119,755	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A

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TABLE 31B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER HEW	414	1,143	1,158	978	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	168,916	213,783	217,908	233,230
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	9,249	12,718	12,421	11,810
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	158,056	200,328	204,669	220,764
OTHER HHS	N/A	N/A	N/A	N/A	1,611	737	818	656
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	1,967	1,519	2,348	7,573	3,420	5,618	4,266	3,785
DEPARTMENT OF LABOR	-	126	-	72	-	461	360	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	18	-	-	-
OTHER STATE	-	-	-	-	18	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	73	-	76
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	105	841	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	800	310	255	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	5,417	2,718	4,000	6,000	6,810	8,457	8,173	8,970
NATIONAL SCIENCE FOUNDATION	20,208	17,374	20,537	27,790	25,755	30,218	31,234	33,791
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMITHSONIAN INSTITUTION	171	208	563	906	1,992	-	-	-
VETERANS ADMINISTRATION	73	-	53	113	-	-	-	-
ALL OTHER AGENCIES	217	124	36	196	100	90	91	91

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 32A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	29,746	29,227	32,188	39,403	31,545	47,857	59,811	53,065
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	-	150	-
OTHER COMMERCE	-	-	-	-	-	-	150	-
DEPARTMENT OF DEFENSE, TOTAL	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	-	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	47,407
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	-	-	-	-	-	8,320	16,519	5,366
NATIONAL INSTITUTES OF HEALTH	-	-	-	-	-	8,320	16,519	5,366
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	29,540	28,890	28,777	34,953	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	30,298	38,044	41,322	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	206	337	1,502	2,383	44	5	-	-
NATIONAL SCIENCE FOUNDATION	-	-	1,909	2,067	1,200	1,488	1,820	292
SMITHSONIAN INSTITUTION	-	-	-	-	3	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 32B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	47,857	59,811	53,065	65,416	66,642	70,352	80,901	93,929
DEPARTMENT OF COMMERCE, TOTAL	-	150	-	-	-	-	-	-
OTHER COMMERCE	-	150		-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	-	-	-	-	-	-	7	-
DEFENSE AGENCIES	-	-	-	-	-	-	7	-
DEPARTMENT OF ENERGY	N/A	N/A	47,407	51,190	52,986	58,342	66,865	77,026
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	8,320	16,519	5,366	12,582	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	8,320	16,519	5,366	12,582	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	11,659	10,258	12,220	15,069
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	11,659	10,258	12,220	15,069
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	38,044	41,322	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	5	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,488	1,820	292	1,644	1,997	1,752	1,809	1,834
SMITHSONIAN INSTITUTION	-	-	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 33A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	236,984	227,724	254,485	228,984	223,098	257,548	284,884	324,119
DEPARTMENT OF COMMERCE, TOTAL	-	35	-	-	-	-	-	310
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	35	-	-	-	-	-	-
OTHER COMMERCE	-	-	-	-	-	-	-	310
DEPARTMENT OF DEFENSE, TOTAL	319	100	125	1,259	2,820	1,258	340	896
DEPARTMENT OF THE ARMY	-	-	25	25	-	-	-	-
MILITARY FUNCTIONS	-	-	25	25	-	-	-	-
DEPARTMENT OF THE NAVY	84	100	100	129	221	238	-	420
DEPARTMENT OF THE AIR FORCE	25	-	-	-	-	-	-	-
DEFENSE AGENCIES	210	-	-	1,105	2,599	1,020	340	476
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	265,534
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,600	670	360	380	1,730	1,102	2,017	2,253
NATIONAL INSTITUTES OF HEALTH	-	155	360	380	1,230	1,102	2,017	2,253
OFFICE OF EDUCATION	1,600	515	-	-	-	-	-	-
OTHER HEW	-	-	-	-	500	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	45	-	-	-	-	-
BUREAU OF MINES	-	-	45	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	28	-	95	-	-	-
OTHER TRANSPORTATION	-	-	28	-	95	-	-	-

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TABLE 33A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	172,118	169,894	170,492	176,316	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	176,366	206,076	231,645	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	38,944	27,025	47,651	19,059	3,498	11,650	8,394	9,317
NATIONAL SCIENCE FOUNDATION	24,003	30,000	35,784	31,970	38,589	37,462	42,488	45,809
ALL OTHER AGENCIES	-	-	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 33B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	257,548	284,884	324,119	356,772	393,607	436,824	488,310	550,369
DEPARTMENT OF COMMERCE, TOTAL	-	-	310	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	-	-	-
OTHER COMMERCE	-	-	310	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,258	340	896	1,193	9,247	24,177	29,405	20,528
DEPARTMENT OF THE ARMY	-	-	-	-	-	45	105	-
MILITARY FUNCTIONS	-	-	-	-	-	45	105	-
DEPARTMENT OF THE NAVY	238	-	420	425	-	-	-	-
DEPARTMENT OF THE AIR FORCE	-	-	-	-	60	-	100	100
DEFENSE AGENCIES	1,020	340	476	768	9,187	24,132	29,200	20,428
DEPARTMENT OF ENERGY	N/A	N/A	265,534	289,910	299,288	331,311	376,364	436,505
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,102	2,017	2,253	2,953	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,102	2,017	2,253	2,953	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	6,250	6,940	7,563	9,100
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	6,250	6,940	7,563	9,100
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	-	-	-	-
BUREAU OF MINES	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-

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TABLE 33B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	206,076	231,845	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	11,650	8,394	9,317	9,195	11,700	15,623	12,958	15,229
NATIONAL SCIENCE FOUNDATION	37,462	42,488	45,809	53,275	67,122	58,773	62,020	69,009
ALL OTHER AGENCIES	-	-	-	246	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 34A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	3,536	2,159	7,235	3,441	6,210	13,824	7,892	5,645
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	171	66	-	-
FOREST SERVICE	-	-	-	-	171	66	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,565	300	380	-	2,213	375	1,134	435
DEPARTMENT OF THE ARMY	-	300	380	-	-	-	-	-
MILITARY FUNCTIONS	-	300	380	-	-	-	-	-
DEPARTMENT OF THE NAVY	-	-	-	-	-	-	-	41
DEPARTMENT OF THE AIR FORCE	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	1,565	-	-	-	2,213	375	1,134	394
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,517
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	176	281	546	341	1,077	458	824	682
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	57	39	58	-
NATIONAL INSTITUTES OF HEALTH	176	281	546	341	633	419	766	682
OTHER HEW	-	-	-	-	387	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF JUSTICE	-	-	-	-	-	951	1,055	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	28	-	-	-	-
OTHER TRANSPORTATION	-	-	-	28	-	-	-	-

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TABLE 34A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	1,573	1,538	1,294	1,782	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	2,669	10,731	3,158	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	94	40	238	1,222	80	509	1,056	634
NATIONAL SCIENCE FOUNDATION	128	-	4,777	70	-	734	618	377
ALL OTHER AGENCIES	-	-	-	-	-	-	47	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 34B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	13,824	7,892	5,645	5,769	6,700	7,509	7,687	7,648
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	66	-	-	-	-	-	-	-
FOREST SERVICE	66	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	375	1,134	435	456	634	1,035	730	135
DEPARTMENT OF THE ARMY	-	-	-	-	-	-	-	-
MILITARY FUNCTIONS	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	-	-	41	60	140	450	185	95
DEPARTMENT OF THE AIR FORCE	-	-	-	-	35	35	40	40
DEFENSE AGENCIES	375	1,134	394	396	459	550	505	-
DEPARTMENT OF ENERGY	N/A	N/A	3,517	3,936	5,361	5,587	5,903	6,094
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	458	824	682	412	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	39	58	-	-	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	419	766	682	412	N/A	N/A	N/A	N/A
OTHER HEW	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	258	347	520	765
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	258	347	520	765
DEPARTMENT OF JUSTICE	951	1,055	-	190	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-

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TABLE 34B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	10,731	3,158	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	509	1,056	634	206	271	300	294	294
NATIONAL SCIENCE FOUNDATION	734	618	377	569	176	240	240	360
ALL OTHER AGENCIES	-	47	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 35A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL FIELDS	1,946,946	2,006,207	2,223,033	2,241,675	2,398,189	2,600,383	2,778,727	3,269,497
LIFE SCIENCES, TOTAL	703,805	756,070	879,976	888,396	1,032,164	1,115,929	1,222,015	1,383,365
BIOLOGICAL & AGRICULTURAL, TOTAL	491,978	527,634	609,058	608,640	691,875	747,014	818,412	933,574
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	-	-	-	-	-
ENVIRONMENTAL BIOLOGY	-	-	-	-	-	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-
MEDICAL SCIENCES, TOTAL	198,747	211,107	245,820	253,231	317,584	342,355	374,381	414,789
CLINICAL MEDICAL	40,568	29,048	37,298	35,229	32,932	38,826	41,562	39,575
OTHER MEDICAL	158,179	182,059	208,522	218,002	284,652	303,529	332,819	375,214
LIFE SCIENCES, NEC	13,080	17,329	25,098	26,525	22,705	26,560	29,222	35,002
PSYCHOLOGY, TOTAL	48,298	46,287	51,432	45,364	46,124	58,642	45,529	55,717
BIOLOGICAL ASPECTS	19,718	18,875	21,999	18,591	18,602	18,231	18,474	22,526
SOCIAL ASPECTS	21,698	22,108	21,505	18,612	18,018	22,181	16,086	20,043
PSYCHOLOGICAL SCIENCES, NEC	6,882	5,304	7,928	8,161	9,504	18,230	10,969	13,148
PHYSICAL SCIENCES, TOTAL	601,450	593,415	637,453	628,210	649,605	708,959	721,435	889,994
ASTRONOMY	130,731	124,052	128,865	121,477	133,341	163,028	159,960	193,321
CHEMISTRY	127,179	110,386	141,233	146,417	149,275	158,648	168,265	208,695
PHYSICS	338,926	350,733	361,746	350,773	360,300	378,973	388,440	467,414
PHYSICAL SCIENCES, NEC	4,614	8,244	5,609	9,543	6,689	8,310	4,770	20,564
ENVIRONMENTAL SCIENCES, TOTAL	254,787	275,549	282,512	283,080	302,150	292,719	305,598	398,311
ATMOSPHERIC SCIENCES	122,834	132,202	129,287	141,840	147,298	121,437	123,586	152,600
GEOLOGICAL SCIENCES	80,488	79,651	70,961	80,320	80,909	88,593	95,705	128,720
OCEANOGRAPHY	48,299	58,610	72,623	47,525	64,544	74,769	78,274	108,314
ENVIRONMENTAL SCIENCES, NEC	3,166	5,086	9,641	13,395	9,401	7,920	8,033	10,677

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TABLE 35A. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
MATHEMATICS & COMPUTER SCIENCES, TOTAL	59,379	55,313	66,588	60,082	52,739	62,007	81,805	83,408
MATHEMATICS	-	-	-	-	-	-	43,176	52,135
COMPUTER SCIENCES	-	-	-	-	-	-	26,594	31,018
MATHEMATICS & COMPUTER SCIENCES, NEC	-	-	-	-	-	-	12,035	255
ENGINEERING, TOTAL	203,429	192,553	207,959	220,760	214,872	262,847	272,799	337,683
AERONAUTICAL	34,778	29,076	27,263	34,285	32,209	30,163	31,988	49,520
ASTRONAUTICAL	12,614	11,644	7,745	7,240	11,066	11,292	11,850	10,180
CHEMICAL	12,131	11,560	10,805	12,409	11,309	16,350	18,425	24,034
CIVIL	5,537	6,259	8,867	10,428	10,080	7,722	7,786	10,356
ELECTRICAL	34,253	35,720	42,641	43,982	38,448	47,766	53,079	55,139
MECHANICAL	35,673	26,493	27,510	27,804	17,285	17,631	20,116	29,628
METALLURGY & MATERIALS	49,617	58,248	62,522	67,701	74,646	99,720	103,273	124,888
ENGINEERING, NEC	18,826	13,553	20,606	16,911	19,829	32,203	26,282	33,938
SOCIAL SCIENCES, TOTAL	64,747	71,289	81,535	80,197	74,831	73,757	86,426	95,513
ANTHROPOLOGY	7,929	8,755	9,867	10,665	8,800	6,984	6,429	8,040
ECONOMICS	25,279	24,726	25,007	21,712	25,122	22,066	25,634	29,085
POLITICAL SCIENCE	3,883	2,262	2,838	2,986	2,221	1,607	2,999	2,544
SOCIOLOGY	12,643	16,378	20,722	12,479	14,430	15,069	16,602	15,936
SOCIAL SCIENCES, NEC	15,013	19,168	23,101	32,355	24,258	28,031	34,762	39,908
HISTORY	4,424	3,662	4,300	4,645	5,855	5,999	-	-
LINGUISTICS	1,662	1,931	2,533	3,059	2,143	2,108	-	-
OTHER SOCIAL SCIENCES	8,927	13,575	16,268	24,651	16,260	19,924	-	-
OTHER SCIENCES, NEC	11,051	15,731	15,578	35,586	25,704	25,523	43,120	25,506

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 35B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	2,600,383	2,778,727	3,269,497	3,710,659	4,205,516	4,688,153	5,036,672	5,550,973
LIFE SCIENCES, TOTAL	1,115,929	1,222,015	1,383,365	1,588,390	1,891,777	2,054,425	2,203,898	2,407,101
BIOLOGICAL & AGRICULTURAL, TOTAL	747,014	818,412	933,574	1,078,679	1,279,290	1,339,434	1,449,001	1,585,454
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	874,485	1,055,525	1,099,856	1,181,068	1,282,848
ENVIRONMENTAL BIOLOGY	-	-	-	64,345	90,802	86,118	91,480	99,146
AGRICULTURAL	-	-	-	139,849	132,963	153,460	176,455	203,462
MEDICAL SCIENCES, TOTAL	342,355	374,381	414,789	467,672	560,110	656,963	696,865	761,474
CLINICAL MEDICAL	38,826	41,562	39,575	-	-	-	-	-
OTHER MEDICAL	303,529	332,819	375,214	-	-	-	-	-
LIFE SCIENCES, NEC	26,560	29,222	35,002	42,039	52,377	58,028	58,032	60,173
PSYCHOLOGY, TOTAL	58,642	45,529	55,717	84,049	75,069	84,206	87,394	98,275
BIOLOGICAL ASPECTS	18,231	18,474	22,526	37,906	28,360	30,160	30,578	31,276
SOCIAL ASPECTS	22,181	16,086	20,043	25,259	33,989	31,259	30,196	36,678
PSYCHOLOGICAL SCIENCES, NEC	18,230	10,969	13,148	20,884	14,720	22,787	26,620	30,321
PHYSICAL SCIENCES, TOTAL	708,959	721,435	889,994	942,385	1,051,038	1,221,660	1,314,413	1,481,331
ASTRONOMY	163,028	159,980	193,321	210,073	280,643	279,420	251,721	289,945
CHEMISTRY	158,648	168,265	208,695	203,380	224,928	257,056	290,474	326,882
PHYSICS	378,973	388,440	467,414	519,401	536,530	669,093	753,424	841,744
PHYSICAL SCIENCES, NEC	8,310	4,770	20,564	9,531	8,937	16,091	18,794	22,760
ENVIRONMENTAL SCIENCES, TOTAL	292,719	305,598	398,311	461,405	468,063	534,213	560,326	615,918
ATMOSPHERIC SCIENCES	121,437	123,586	152,600	170,086	176,423	187,218	181,165	200,120
GEOLOGICAL SCIENCES	88,593	95,705	128,720	145,174	157,667	198,402	211,500	225,139
OCEANOGRAPHY	74,769	78,274	108,314	123,976	122,574	134,294	150,941	175,275
ENVIRONMENTAL SCIENCES, NEC	7,920	8,033	10,677	22,169	11,399	14,299	16,720	15,384

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TABLE 35B. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	62,007	81,805	83,408	98,340	104,805	116,928	138,571	162,731
MATHEMATICS	-	43,176	52,135	56,112	60,216	67,093	77,924	94,843
COMPUTER SCIENCES	-	26,594	31,018	40,656	43,345	48,617	53,100	59,886
MATHEMATICS & COMPUTER SCIENCES, NEC	-	12,035	255	1,572	1,244	3,218	7,547	8,002
ENGINEERING, TOTAL	262,847	272,799	337,683	376,348	435,053	465,630	520,040	611,840
AERONAUTICAL	30,163	31,988	49,520	68,239	88,437	104,157	115,511	131,389
ASTRONAUTICAL	11,292	11,850	10,180	14,941	25,167	27,184	29,008	32,077
CHEMICAL	16,350	18,425	24,034	24,104	24,611	26,140	28,695	34,078
CIVIL	7,722	7,786	10,356	10,963	14,296	22,110	21,515	27,073
ELECTRICAL	47,766	53,079	55,139	57,645	62,288	70,841	77,563	100,475
MECHANICAL	17,631	20,116	29,628	29,488	35,891	42,227	50,090	63,859
METALLURGY & MATERIALS	99,720	103,273	124,888	134,539	151,117	121,337	141,300	154,869
ENGINEERING, NEC	32,203	26,282	33,938	38,427	33,248	51,628	56,360	68,020
SOCIAL SCIENCES, TOTAL	73,757	86,426	95,513	124,347	129,718	147,180	144,485	125,054
ANTHROPOLOGY	6,984	6,429	8,040	11,957	12,488	14,234	13,430	15,021
ECONOMICS	22,066	25,634	29,085	33,564	32,676	40,010	40,891	35,166
POLITICAL SCIENCE	1,607	2,999	2,544	3,245	4,135	7,403	4,548	2,257
SOCIOLOGY	15,069	18,602	15,938	18,588	18,406	25,377	25,429	20,933
SOCIAL SCIENCES, NEC	28,031	34,762	39,908	56,993	62,013	60,156	60,189	51,677
HISTORY	5,999	-	-	-	-	-	-	-
LINGUISTICS	2,108	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	19,924	-	-	-	-	-	-	-
OTHER SCIENCES, NEC	25,523	43,120	25,506	35,397	49,993	63,911	67,545	48,723

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 36A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	2,953,852	3,116,964	3,324,663	3,339,754	3,777,051	4,129,325	4,840,605	5,244,618
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	156,216	173,738	199,858	211,380	219,453	247,760	270,853	319,570
FOREST SERVICE	27,385	29,460	34,629	36,818	41,582	52,158	51,931	59,392
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	234,281
AGRICULTURAL RESEARCH	79,126	89,776	100,970	105,089	107,878	112,905	125,898	155,377
COOPERATIVE RESEARCH	37,852	42,012	51,202	55,432	55,441	62,707	70,301	78,904
TECHNICAL INFORMATION SYSTEMS	208	391	228	275	143	6	8	-
OTHER AGRICULTURE	11,645	12,099	12,829	13,768	14,409	19,984	22,715	25,897
DEPARTMENT OF COMMERCE, TOTAL	54,913	71,897	99,370	113,842	111,000	124,355	133,439	152,970
NATIONAL BUREAU OF STANDARDS	12,705	14,159	24,986	26,561	26,508	29,394	31,732	38,036
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	31,877	39,495	54,145	79,458	76,611	87,757	93,597	104,919
OTHER COMMERCE	10,331	18,243	20,239	7,823	7,881	7,204	8,110	10,015
DEPARTMENT OF DEFENSE, TOTAL	1,012,887	987,124	1,175,780	1,129,368	1,131,465	1,130,942	1,200,596	1,342,591
DEPARTMENT OF THE ARMY	245,789	231,368	289,067	300,231	290,149	264,682	281,009	298,954
MILITARY FUNCTIONS	238,854	225,616	283,093	295,179	284,449	258,932	268,824	284,491
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	6,935	5,752	5,974	5,052	5,700	5,750	12,185	14,463
DEPARTMENT OF THE NAVY	238,127	239,334	281,809	273,658	287,137	287,789	308,277	343,593
DEPARTMENT OF THE AIR FORCE	239,921	237,468	255,941	261,058	264,148	276,901	298,376	340,975
DEFENSE AGENCIES	284,959	275,927	345,001	291,230	287,339	299,902	312,234	357,769
OTHER DOD	4,091	3,027	3,962	3,191	2,692	1,668	700	1,300
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	501,816
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	527,963	657,396	766,666	776,851	996,627	1,021,083	1,164,561	1,294,785
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	69,636	102,319	73,180	84,060	89,296
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	38,344	44,942	42,564	49,596	55,273

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TABLE 36A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	21,805	25,643	30,384	30,183	43,521	35,896	37,077	42,872
HEALTH SERVICES & MENTAL HEALTH ADMIN	100,018	115,589	125,146	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	4,736	4,738	2,174	5,717	15,240
NATIONAL INSTITUTES OF HEALTH	336,035	409,782	513,650	539,084	714,340	775,697	847,380	935,882
OFFICE OF EDUCATION	25,254	55,958	32,341	6,581	6,277	5,266	21,428	11,892
OTHER HEW	44,851	50,424	65,145	88,287	80,490	86,306	119,303	144,330
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	7,097	10,498	12,660	18,376	33,790	33,495	36,945	32,720
DEPARTMENT OF THE INTERIOR, TOTAL	81,105	95,145	104,261	111,420	94,817	179,109	205,128	192,363
BUREAU OF MINES	27,646	32,214	32,805	34,591	24,880	50,977	72,500	48,322
GEOLOGICAL SURVEY	19,632	21,291	30,066	35,134	39,041	68,010	70,791	77,150
OTHER INTERIOR	33,827	41,640	41,390	41,695	30,896	60,122	61,837	66,891
DEPARTMENT OF JUSTICE	5,334	6,525	12,400	4,945	16,475	9,430	13,817	12,484
DEPARTMENT OF LABOR	9,234	11,120	12,158	11,996	16,026	14,401	17,042	18,024
DEPARTMENT OF STATE, TOTAL	18,895	28,975	25,717	24,611	17,804	20,958	25,128	38,270
AGENCY FOR INTERNATIONAL DEVELOPMENT	18,627	28,625	25,167	23,861	16,753	20,215	24,007	36,205
OTHER STATE	268	350	550	750	1,051	743	1,121	2,065
DEPARTMENT OF TRANSPORTATION, TOTAL	82,898	96,659	97,648	77,070	61,506	53,769	31,100	51,760
FEDERAL AVIATION ADMINISTRATION	9,960	17,313	22,180	17,849	13,864	14,123	3,600	4,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	15,892	14,702	20,693	21,678	14,900	12,048	9,900	27,500
URBAN MASS TRANSPORTATION ADMIN	6,223	9,725	7,800	6,280	6,248	2,899	600	1,000
OTHER TRANSPORTATION	50,823	54,919	46,975	31,263	26,494	24,699	17,000	18,560
DEPARTMENT OF THE TREASURY	286	383	474	439	457	400	1,474	2,140

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TABLE 36A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	146,448	152,094	148,833	149,628	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	195,244	280,673	400,709	N/A
ENVIRONMENTAL PROTECTION AGENCY	47,534	47,718	44,950	65,257	86,794	124,311	141,695	196,956
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	672,687	595,387	432,981	443,641	539,810	625,804	929,632	792,302
NATIONAL SCIENCE FOUNDATION	29,812	45,720	59,579	71,511	105,039	84,026	72,142	63,400
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	42,338	64,155	88,432	112,291
OFFICE OF ECONOMIC OPPORTUNITY	27,800	59,877	51,111	31,445	-	-	N/A	N/A
VETERANS ADMINISTRATION	52,502	59,032	63,907	66,535	75,168	83,260	76,227	83,247
ALL OTHER AGENCIES	20,241	17,678	16,310	31,439	33,238	31,394	31,685	36,929

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 36B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	4,129,325	4,840,605	5,244,618	5,896,099	6,329,489	6,909,225	7,322,622	7,982,850
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	247,760	270,853	319,570	351,780	375,500	381,785	419,434	462,838
FOREST SERVICE	52,158	51,931	59,392	69,813	71,100	72,328	79,300	87,100
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	234,281	253,191	274,845	279,761	305,729	338,488
AGRICULTURAL RESEARCH	112,905	125,898	155,377	161,328	172,748	170,778	186,470	208,289
COOPERATIVE RESEARCH	62,707	70,301	78,904	91,863	102,097	108,983	119,259	132,199
TECHNICAL INFORMATION SYSTEMS	6	8	-	-	-	-	-	-
OTHER AGRICULTURE	19,984	22,715	25,897	28,778	29,555	29,696	34,405	37,250
DEPARTMENT OF COMMERCE, TOTAL	124,355	133,439	152,970	168,914	194,707	224,528	225,173	192,016
NATIONAL BUREAU OF STANDARDS	29,394	31,732	38,036	42,615	43,000	46,109	49,160	56,614
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	87,757	93,597	104,919	115,865	129,840	154,813	153,368	115,956
OTHER COMMERCE	7,204	8,110	10,015	10,434	21,867	23,604	22,645	19,446
DEPARTMENT OF DEFENSE, TOTAL	1,130,942	1,200,596	1,342,591	1,413,648	1,542,571	1,721,428	1,971,079	2,426,176
DEPARTMENT OF THE ARMY	264,682	281,009	298,954	305,737	333,570	347,085	370,680	447,140
MILITARY FUNCTIONS	258,932	268,824	284,491	291,567	318,940	330,600	353,800	428,500
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	5,750	12,185	14,463	14,170	14,630	16,485	16,880	18,640
DEPARTMENT OF THE NAVY	287,789	308,277	343,593	354,229	375,193	396,200	461,100	526,400
DEPARTMENT OF THE AIR FORCE	276,901	298,376	340,975	353,645	387,228	429,100	480,500	513,600
DEFENSE AGENCIES	299,902	312,234	357,769	392,537	446,580	549,063	658,799	939,038
OTHER DOD	1,668	700	1,300	7,500	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	72,825	69,992	69,974	39,624
DEPARTMENT OF ENERGY	N/A	N/A	501,816	661,709	668,878	754,190	812,748	939,104
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,021,083	1,164,561	1,294,785	1,448,378	N/A	N/A	N/A	N/A

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TABLE 36B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	73,180	84,060	89,296	98,834	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	42,564	49,596	55,273	60,084	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	35,896	37,077	42,872	64,134	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	2,174	5,717	15,240	16,340	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	775,697	847,380	935,882	1,051,502	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	5,266	21,428	11,892	13,311	N/A	N/A	N/A	N/A
OTHER HEW	86,306	119,303	144,330	144,173	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	1,439,658	1,570,109	1,598,834	1,681,755
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	118,913	128,800	125,831	135,818
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	76,271	87,257	80,844	77,085
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	60,979	75,400	74,900	75,400
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	31,828	45,727	46,000	46,000
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,066,408	1,145,129	1,188,645	1,270,400
OTHER HHS	N/A	N/A	N/A	N/A	85,259	87,796	82,614	77,054
DEPT OF HOUSING & URBAN DEVELOPMENT	33,495	36,945	32,720	30,535	23,770	19,601	19,054	20,412
DEPARTMENT OF THE INTERIOR, TOTAL	179,109	205,128	192,363	217,616	266,946	282,812	287,008	273,597
BUREAU OF MINES	50,977	72,500	48,322	48,400	65,400	71,300	67,100	63,800
GEOLOGICAL SURVEY	68,010	70,791	77,150	87,368	96,062	98,520	109,874	114,174
OTHER INTERIOR	60,122	61,837	66,891	81,848	105,484	112,992	110,034	95,623
DEPARTMENT OF JUSTICE	9,430	13,817	12,484	31,022	20,946	19,235	16,533	11,910
DEPARTMENT OF LABOR	14,401	17,042	18,024	22,033	39,796	32,556	32,956	27,160
DEPARTMENT OF STATE, TOTAL	20,958	25,128	38,270	49,126	2,649	1,956	1,727	1,827
AGENCY FOR INTERNATIONAL DEVELOPMENT	20,215	24,007	36,205	46,648	N/A	N/A	N/A	N/A
OTHER STATE	743	1,121	2,065	2,478	2,649	1,956	1,727	1,827
DEPARTMENT OF TRANSPORTATION, TOTAL	53,769	31,100	51,760	66,500	66,983	82,445	91,141	91,590
FEDERAL AVIATION ADMINISTRATION	14,123	3,600	4,700	6,800	7,500	8,200	9,500	9,000
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	12,048	9,900	27,500	38,000	30,003	38,615	38,369	37,300
URBAN MASS TRANSPORTATION ADMIN	2,899	600	1,000	1,100	1,100	8,890	8,532	9,450
OTHER TRANSPORTATION	24,699	17,000	18,560	20,600	28,380	26,740	34,740	35,840
DEPARTMENT OF THE TREASURY	400	1,474	2,140	4,114	4,498	3,956	4,347	5,238

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TABLE 36B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	280,673	400,709	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	124,311	141,695	196,956	246,860	248,900	231,500	245,700	201,400
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	66,886	79,664	87,160	98,508
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	66,886	79,664	87,160	98,508
NATIONAL AERONAUTICS & SPACE ADMIN	625,804	929,632	792,302	865,438	938,389	1,050,531	1,014,172	1,060,930
NATIONAL SCIENCE FOUNDATION	84,026	72,142	63,400	65,462	66,770	58,441	59,764	54,456
NUCLEAR REGULATORY COMMISSION	64,155	88,432	112,291	133,891	148,772	182,672	207,673	224,540
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	83,260	76,227	83,247	90,509	101,839	103,600	114,200	121,800
ALL OTHER AGENCIES	31,394	31,685	36,929	28,764	38,206	38,226	43,945	47,969

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 37A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY PERFORMER: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

PERFORMER	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL	2,953,852	3,116,964	3,324,663	3,339,754	3,777,051	4,129,325	4,840,605	5,244,618
FEDERAL INTRAMURAL 1/	1,327,321	1,301,996	1,359,822	1,471,347	1,565,140	1,719,868	2,082,286	2,032,940
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	691,467	722,386	755,158	711,172	750,653	891,740	971,877	1,159,126
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	42,771	46,448	43,127	29,328	66,664	87,844	116,698	139,104
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	467,746	547,153	615,908	642,314	812,160	817,601	907,587	1,028,225
FFRDC'S ADMINISTERED BY UNIVERSITIES	145,588	131,182	143,956	126,182	150,868	167,964	263,394	346,185
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	149,941	196,344	244,829	217,683	287,096	266,442	308,940	349,633
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	41,563	49,845	52,639	46,796	44,553	50,992	49,606	49,907
STATE AND LOCAL GOVERNMENTS	68,529	77,931	76,373	68,095	74,212	97,898	106,457	99,574
FOREIGN	18,926	43,679	32,851	26,837	25,705	29,976	33,760	39,924

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 37B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY PERFORMER: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
TOTAL	4,129,325	4,840,605	5,244,618	5,896,099	6,329,489	6,909,225	7,322,622	7,982,850
FEDERAL INTRAMURAL 1/	1,718,868	2,082,286	2,032,940	2,181,186	2,381,628	2,472,940	2,592,618	2,770,733
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	891,740	971,877	1,159,126	1,403,472	1,484,128	1,751,436	1,937,536	2,274,038
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	87,844	116,698	139,104	169,757	178,338	240,679	267,189	309,894
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	817,601	907,587	1,028,225	1,167,394	1,252,200	1,376,838	1,417,052	1,419,338
FFRDC'S ADMINISTERED BY UNIVERSITIES	167,964	263,394	346,185	358,078	406,994	414,331	443,826	544,861
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	266,442	308,940	349,633	397,978	381,952	398,686	401,184	406,472
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	50,992	49,606	49,907	61,157	66,652	64,210	60,346	55,404
STATE AND LOCAL GOVERNMENTS	97,898	106,457	99,574	111,777	119,708	127,057	125,625	115,032
FOREIGN	29,976	33,760	39,924	45,300	57,889	63,048	77,246	87,078

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 38A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	1,327,321	1,301,998	1,359,822	1,471,347	1,565,140	1,718,868	2,082,286	2,032,940
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	114,655	128,331	141,777	148,641	158,376	178,112	194,105	228,092
FOREST SERVICE	27,292	29,195	33,647	35,617	40,808	50,445	50,263	57,530
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	145,339
AGRICULTURAL RESEARCH	74,617	86,054	94,116	98,109	101,722	106,199	119,958	142,846
COOPERATIVE RESEARCH	1,290	1,309	1,407	1,440	1,754	1,958	1,873	2,493
TECHNICAL INFORMATION SYSTEMS	107	183	178	163	43	6	3	-
OTHER AGRICULTURE	11,349	11,590	12,429	13,312	14,049	19,504	22,008	25,223
DEPARTMENT OF COMMERCE, TOTAL	40,301	43,805	59,151	75,500	76,642	92,419	98,880	121,491
NATIONAL BUREAU OF STANDARDS	12,294	13,485	24,687	25,686	25,715	28,793	31,637	37,526
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	25,327	24,517	30,852	46,592	48,145	61,580	63,158	77,885
OTHER COMMERCE	2,680	5,803	3,612	3,222	2,782	2,046	4,085	6,080
DEPARTMENT OF DEFENSE, TOTAL	487,303	472,658	558,199	587,572	564,498	510,684	555,767	594,485
DEPARTMENT OF THE ARMY	184,305	154,161	183,690	207,932	198,022	173,837	203,103	218,015
MILITARY FUNCTIONS	178,359	149,454	179,945	203,838	193,427	169,107	194,468	205,021
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	5,946	4,707	3,745	4,094	4,595	4,730	8,635	12,994
DEPARTMENT OF THE NAVY	163,031	170,177	201,986	207,833	208,135	196,382	209,726	215,092
DEPARTMENT OF THE AIR FORCE	59,825	60,969	71,100	72,907	73,759	66,456	65,459	74,837
DEFENSE AGENCIES	79,573	86,998	101,036	98,588	84,311	73,759	77,374	86,433
OTHER DOD	569	353	387	312	271	250	105	108
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25,982
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	118,274	139,434	159,285	183,940	195,731	218,210	233,895	273,246
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	9,811	16,137	3,648	8,414	9,190
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	29,528	22,859	27,875	34,471	38,994

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TABLE 38A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	13,350	16,438	20,827	17,026	19,144	23,111	22,810	25,295
HEALTH SERVICES & MENTAL HEALTH ADMIN	24,940	30,557	31,581	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	147	247	261	1,036	3,028
NATIONAL INSTITUTES OF HEALTH	66,339	80,646	93,012	103,500	112,224	134,494	145,937	168,653
OFFICE OF EDUCATION	953	1,370	695	115	136	73	136	563
OTHER HEW	12,692	10,423	13,170	23,813	24,984	28,748	21,091	27,523
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	50	2,629	810	6,884	7,546	10,380	11,106	14,365
DEPARTMENT OF THE INTERIOR, TOTAL	55,166	61,940	69,291	75,488	66,905	99,794	123,614	134,183
BUREAU OF MINES	26,213	28,631	27,719	29,136	18,331	19,800	39,439	40,322
GEOLOGICAL SURVEY	18,920	20,183	28,711	32,838	37,424	63,518	67,241	73,834
OTHER INTERIOR	10,033	13,126	12,861	13,514	11,150	16,476	16,934	20,027
DEPARTMENT OF JUSTICE	301	492	2,810	528	1,486	1,291	2,079	1,720
DEPARTMENT OF LABOR	4,652	4,981	5,644	3,659	4,523	6,419	8,876	8,602
DEPARTMENT OF STATE, TOTAL	4,771	6,158	2,941	3,907	3,183	1,382	5,316	7,079
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,648	6,054	2,801	3,768	2,980	1,151	5,099	6,017
OTHER STATE	123	104	140	139	203	231	217	1,062
DEPARTMENT OF TRANSPORTATION, TOTAL	23,451	32,057	22,099	15,966	15,674	15,699	10,819	16,319
FEDERAL AVIATION ADMINISTRATION	2,689	4,813	3,992	3,177	2,993	3,008	641	1,050
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,370	6,175	5,330	1,280	894	765	272	6,195
URBAN MASS TRANSPORTATION ADMIN	9	2,626	2,073	1,641	1,674	1,368	283	600
OTHER TRANSPORTATION	19,383	18,443	10,704	9,868	10,113	10,558	9,623	8,474
DEPARTMENT OF THE TREASURY	286	383	431	413	457	400	1,474	1,790

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TABLE 38A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	3,852	4,174	4,126	4,927	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	14,261	24,547	21,236	N/A
ENVIRONMENTAL PROTECTION AGENCY	18,686	19,481	18,310	22,032	25,816	63,433	77,300	83,590
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	383,887	305,697	232,166	235,776	334,542	383,625	633,466	409,857
NATIONAL SCIENCE FOUNDATION	1,500	3,727	2,411	9,627	7,359	10,878	5,666	4,111
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	145	4,207	7,430	9,358
OFFICE OF ECONOMIC OPPORTUNITY	3,898	5,638	3,800	5,409	-	-	N/A	N/A
VETERANS ADMINISTRATION	51,714	57,897	62,847	66,180	74,940	82,884	76,227	80,984
ALL OTHER AGENCIES	14,574	12,514	13,724	24,898	13,056	14,504	15,030	17,686

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 38B. F ERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	1,718,868	2,082,286	2,032,940	2,181,186	2,381,628	2,472,940	2,592,618	2,770,733
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	178,112	194,105	228,092	237,414	257,549	250,364	275,020	301,333
FOREST SERVICE	50,445	50,263	57,530	65,548	67,023	67,548	74,061	81,346
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	145,339	144,999	161,855	156,698	170,505	187,597
AGRICULTURAL RESEARCH	106,199	119,958	142,846	142,035	158,317	152,600	166,096	182,833
COOPERATIVE RESEARCH	1,958	1,873	2,493	2,964	3,538	4,098	4,409	4,764
TECHNICAL INFORMATION SYSTEMS	6	3	-	-	-	-	-	-
OTHER AGRICULTURE	19,504	22,008	25,223	26,867	28,671	26,118	30,454	32,390
DEPARTMENT OF COMMERCE, TOTAL	92,419	98,880	121,491	129,834	140,264	159,298	163,900	165,176
NATIONAL BUREAU OF STANDARDS	28,793	31,637	37,526	39,656	42,296	44,879	48,040	54,649
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	61,580	63,158	77,885	85,310	91,577	101,318	102,010	97,841
OTHER COMMERCE	2,046	4,085	6,080	4,868	6,391	13,101	13,850	12,686
DEPARTMENT OF DEFENSE, TOTAL	510,684	555,767	594,485	588,875	656,414	651,693	699,514	785,738
DEPARTMENT OF THE ARMY	173,837	203,103	218,015	216,170	237,156	225,373	220,461	258,398
MILITARY FUNCTIONS	169,107	194,468	205,021	204,235	224,173	211,438	206,067	242,480
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	4,730	8,635	12,994	11,935	12,983	13,935	14,394	15,918
DEPARTMENT OF THE NAVY	196,382	209,726	215,092	207,252	247,409	183,551	201,177	215,105
DEPARTMENT OF THE AIR FORCE	66,456	65,459	74,837	73,839	89,655	132,555	148,426	151,438
DEFENSE AGENCIES	73,759	77,374	86,433	89,941	82,194	110,214	129,450	160,797
OTHER DOD	250	105	108	1,673	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	5,748	1,881	2,239	616
DEPARTMENT OF ENERGY	N/A	N/A	25,982	35,730	48,495	75,125	60,854	85,267
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	218,210	233,895	273,246	338,252	N/A	N/A	N/A	N/A

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TABLE 38B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	3,648	8,414	9,190	18,722	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	27,875	34,471	38,994	42,618	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	23,111	22,810	25,295	41,093	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	261	1,036	3,028	2,714	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	134,494	145,937	188,653	201,947	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	73	136	563	611	N/A	N/A	N/A	N/A
OTHER HEW	28,748	21,091	27,523	30,547	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	359,016	386,068	387,252	402,483
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	20,636	26,589	30,017	41,184
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	55,964	66,693	62,481	58,708
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	44,068	59,824	59,708	60,108
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	3,682	5,750	3,150	3,150
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	206,515	201,705	207,934	221,050
OTHER HHS	N/A	N/A	N/A	N/A	28,151	25,507	23,962	18,283
DEPT OF HOUSING & URBAN DEVELOPMENT	10,380	11,106	14,365	10,901	14,680	11,988	11,652	12,482
DEPARTMENT OF THE INTERIOR, TOTAL	99,794	123,614	134,183	142,217	156,890	157,648	172,571	173,077
BUREAU OF MINES	19,800	39,439	40,322	35,200	28,000	36,200	34,000	33,000
GEOLOGICAL SURVEY	63,518	67,241	73,834	80,254	88,599	84,834	97,095	102,887
OTHER INTERIOR	16,476	16,934	20,027	26,763	40,291	36,614	41,476	37,190
DEPARTMENT OF JUSTICE	1,291	2,079	1,720	2,187	2,253	1,029	630	663
DEPARTMENT OF LABOR	6,419	8,876	8,602	6,259	14,908	8,735	8,185	6,353
DEPARTMENT OF STATE, TOTAL	1,382	5,316	7,079	3,378	892	771	647	747
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,151	5,099	6,017	2,990	N/A	N/A	N/A	N/A
OTHER STATE	231	217	1,062	388	892	771	647	747
DEPARTMENT OF TRANSPORTATION, TOTAL	15,699	10,819	16,319	21,790	21,721	28,651	29,030	37,377
FEDERAL AVIATION ADMINISTRATION	3,008	641	1,050	1,519	1,650	1,804	2,090	1,980
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	765	272	6,195	8,667	6,306	11,817	11,742	11,413
URBAN MASS TRANSPORTATION ADMIN	1,368	283	600	600	600	2,201	2,100	2,400
OTHER TRANSPORTATION	10,558	9,623	8,474	11,004	13,165	12,829	13,098	21,584
DEPARTMENT OF THE TREASURY	400	1,474	1,790	3,076	2,117	2,931	3,363	3,904

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TABLE 38B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	24,547	21,236	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	63,433	77,300	83,590	111,509	114,990	100,244	109,773	81,305
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	6,458	5,316	7,500	8,170
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	6,458	5,316	7,500	8,170
NATIONAL AERONAUTICS & SPACE ADMIN	383,625	633,466	409,857	423,668	440,255	484,759	498,178	529,929
NATIONAL SCIENCE FOUNDATION	10,878	5,666	4,111	6,733	6,118	6,963	6,589	6,899
NUCLEAR REGULATORY COMMISSION	4,207	7,430	9,358	11,222	9,679	14,096	16,106	18,744
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	82,884	76,227	80,984	89,537	101,259	103,203	113,922	121,515
ALL OTHER AGENCIES	14,504	15,030	17,686	18,604	21,922	22,179	25,693	28,955

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 39A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	691,467	722,386	755,158	711,172	750,653	891,740	971,877	1,159,126
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	417	376	634	918	148	940	221	4,921
FOREST SERVICE	6	6	389	425	35	767	119	188
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,733
AGRICULTURAL RESEARCH	223	188	150	493	113	173	102	4,733
TECHNICAL INFORMATION SYSTEMS	93	94	5	-	-	-	-	-
OTHER AGRICULTURE	95	88	90	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	6,355	12,511	18,094	9,417	14,880	10,480	9,682	6,342
NATIONAL BUREAU OF STANDARDS	-	124	96	244	178	250	-	198
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	1,275	1,580	2,166	5,446	10,738	6,622	7,190	4,348
OTHER COMMERCE	5,080	10,807	15,832	3,727	3,964	3,608	2,492	1,796
DEPARTMENT OF DEFENSE, TOTAL	389,197	372,773	449,529	412,228	418,014	462,543	473,144	541,533
DEPARTMENT OF THE ARMY	40,825	56,837	73,237	71,413	67,287	70,294	58,422	61,513
MILITARY FUNCTIONS	40,765	56,490	72,678	71,213	67,037	70,136	57,325	60,681
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	60	347	559	200	250	158	1,097	832
DEPARTMENT OF THE NAVY	48,683	39,043	51,371	45,208	48,807	64,934	67,583	56,808
DEPARTMENT OF THE AIR FORCE	162,731	158,997	166,015	169,244	168,836	187,605	207,821	231,526
DEFENSE AGENCIES	135,555	117,134	157,625	125,426	132,134	139,127	139,073	191,064
OTHER DOD	1,403	762	1,281	937	950	583	245	622
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	76,216
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	20,577	23,587	41,185	41,165	67,303	59,579	68,804	79,548
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	1,040	2,748	1,719	4,613	3,107
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,220	8,060	3,632	2,616	4,382
FOOD & DRUG ADMINISTRATION	175	1,038	1,532	1,929	6,214	2,463	2,765	5,418

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TABLE 39A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
HEALTH SERVICES & MENTAL HEALTH ADMIN	2,972	551	4,208	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	-	-	89	357	550
NATIONAL INSTITUTES OF HEALTH	16,574	21,460	33,546	34,719	44,551	47,516	48,948	48,264
OFFICE OF EDUCATION	720	126	1,790	167	767	843	2,371	1,187
OTHER HEW	136	412	109	2,090	4,963	3,317	7,134	16,660
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	5,628	4,873	5,344	4,124	8,242	8,710	14,011	6,599
DEPARTMENT OF THE INTERIOR, TOTAL	7,329	11,279	12,368	10,712	7,940	33,689	34,397	9,967
BUREAU OF MINES	-	1,695	2,913	3,088	3,336	26,491	28,941	6,000
GEOLOGICAL SURVEY	368	303	867	1,439	828	1,886	525	765
OTHER INTERIOR	6,961	9,281	8,586	6,185	3,776	5,312	4,931	3,202
DEPARTMENT OF JUSTICE	825	779	904	740	2,017	303	132	1,100
DEPARTMENT OF LABOR	587	768	785	1,211	1,515	3,225	4,055	4,502
DEPARTMENT OF STATE, TOTAL	50	-	154	64	191	556	1,052	1,129
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	534	954	694
OTHER STATE	50	-	154	64	191	22	98	435
DEPARTMENT OF TRANSPORTATION, TOTAL	21,601	34,230	44,667	34,673	29,058	26,567	14,331	23,317
FEDERAL AVIATION ADMINISTRATION	7,171	12,431	17,296	12,226	10,386	10,738	2,639	3,250
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,639	4,786	7,785	8,562	7,960	7,213	7,149	13,894
URBAN MASS TRANSPORTATION ADMIN	230	49	295	291	156	96	20	-
OTHER TRANSPORTATION	10,561	16,964	19,291	13,594	10,556	8,520	4,523	6,173
DEPARTMENT OF THE TREASURY	-	-	43	26	-	-	-	-

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TABLE 39A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	2,458	1,978	2,043	3,178	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	5,444	59,738	54,181	N/A
ENVIRONMENTAL PROTECTION AGENCY	10,233	12,464	8,797	21,700	33,588	28,533	35,836	56,630
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	211,877	234,783	162,546	162,443	146,635	183,632	244,217	325,848
NATIONAL SCIENCE FOUNDATION	1,815	2,300	1,688	3,988	11,138	8,960	8,170	9,627
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	3,068	2,515	6,548	8,209
OFFICE OF ECONOMIC OPPORTUNITY	8,359	8,414	4,618	860	-	-	N/A	N/A
VETERANS ADMINISTRATION	50	177	170	-	-	-	-	828
ALL OTHER AGENCIES	4,109	1,094	1,591	3,725	1,472	1,770	3,096	2,810

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 39B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	891,740	971,877	1,159,126	1,403,472	1,484,128	1,751,436	1,937,538	2,274,038
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	940	221	4,921	5,309	2,266	2,766	4,411	4,852
FOREST SERVICE	767	119	188	371	166	36	39	43
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	4,733	4,938	2,025	2,705	4,342	4,779
AGRICULTURAL RESEARCH	173	102	4,733	4,938	2,025	2,705	4,342	4,779
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	-	-	75	25	30	30
DEPARTMENT OF COMMERCE, TOTAL	10,480	9,682	6,342	7,078	14,423	16,595	13,159	13,283
NATIONAL BUREAU OF STANDARDS	250	-	198	1,742	336	780	800	1,545
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	6,622	7,190	4,348	2,446	4,601	7,370	4,848	5,078
OTHER COMMERCE	3,608	2,492	1,796	2,890	9,486	8,445	7,511	6,660
DEPARTMENT OF DEFENSE, TOTAL	462,543	473,144	541,533	650,735	684,673	882,112	1,064,602	1,372,335
DEPARTMENT OF THE ARMY	70,294	58,422	61,513	64,805	70,544	94,019	123,647	160,836
MILITARY FUNCTIONS	70,136	57,325	60,681	64,130	69,995	93,033	122,593	159,671
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	158	1,097	832	675	549	986	1,054	1,165
DEPARTMENT OF THE NAVY	64,934	67,583	56,808	107,943	70,754	194,157	237,871	285,529
DEPARTMENT OF THE AIR FORCE	187,605	207,821	231,526	230,852	243,292	228,895	256,348	281,219
DEFENSE AGENCIES	139,127	139,073	191,064	244,198	300,083	365,041	446,736	644,751
OTHER DOD	583	245	622	2,937	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	1,922	7,184	7,301	8,163
DEPARTMENT OF ENERGY	N/A	N/A	78,218	136,671	66,291	60,578	106,247	130,657
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	59,579	68,804	79,548	72,842	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,719	4,613	3,107	2,662	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	3,632	2,616	4,382	4,332	N/A	N/A	N/A	N/A

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TABLE 39B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FOOD & DRUG ADMINISTRATION	2,463	2,765	5,418	6,113	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	89	357	550	817	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	47,516	48,948	48,264	44,247	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	843	2,371	1,167	2,014	N/A	N/A	N/A	N/A
OTHER HEW	3,317	7,134	16,660	12,657	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	93,197	112,796	115,950	125,879
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	4,420	7,526	6,833	6,229
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,251	6,593	5,933	5,933
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	3,770	4,680	4,990	4,990
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	10,273	19,081	20,500	20,500
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	63,485	67,695	70,130	74,954
OTHER HHS	N/A	N/A	N/A	N/A	4,998	7,221	7,584	13,273
DEPT OF HOUSING & URBAN DEVELOPMENT	8,710	14,011	6,599	6,296	3,400	4,352	4,230	4,531
DEPARTMENT OF THE INTERIOR, TOTAL	33,689	34,397	9,967	16,079	39,290	45,559	39,461	33,100
BUREAU OF MINES	26,491	28,941	6,000	10,200	34,000	32,400	30,400	28,100
GEOLOGICAL SURVEY	1,886	525	765	988	833	5,441	4,724	3,232
OTHER INTERIOR	5,312	4,931	3,202	4,891	4,457	7,718	4,337	1,768
DEPARTMENT OF JUSTICE	303	132	1,100	467	1,023	1,980	2,615	2,322
DEPARTMENT OF LABOR	3,225	4,055	4,502	4,036	17,264	10,370	11,012	13,463
DEPARTMENT OF STATE, TOTAL	556	1,052	1,129	4,090	1,004	748	626	626
AGENCY FOR INTERNATIONAL DEVELOPMENT	534	954	694	2,848	N/A	N/A	N/A	N/A
OTHER STATE	22	98	435	1,242	1,004	748	626	626
DEPARTMENT OF TRANSPORTATION, TOTAL	26,567	14,331	23,317	31,179	34,269	39,211	47,614	39,463
FEDERAL AVIATION ADMINISTRATION	10,738	2,639	3,250	5,281	5,850	6,396	7,410	7,020
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	7,213	7,149	13,894	19,433	16,801	19,907	19,780	19,230
URBAN MASS TRANSPORTATION ADMIN	96	20	-	-	-	2,800	2,600	2,800
OTHER TRANSPORTATION	8,520	4,523	6,173	6,465	11,618	10,108	17,824	10,413
DEPARTMENT OF THE TREASURY	-	-	-	661	2,017	917	934	1,294

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TABLE 39B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	59,738	54,181	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	28,533	35,836	56,630	60,442	61,730	62,968	59,971	54,669
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	1,344	2,766	1,750	2,300
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	1,344	2,766	1,750	2,300
NATIONAL AERONAUTICS & SPACE ADMIN	183,632	244,217	325,848	389,005	439,141	484,022	437,584	446,500
NATIONAL SCIENCE FOUNDATION	8,960	8,170	9,627	9,858	10,001	5,343	6,707	6,862
NUCLEAR REGULATORY COMMISSION	2,515	6,548	8,209	5,569	4,340	5,301	6,230	6,736
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	-	-	828	-	-	-	-	-
ALL OTHER AGENCIES	1,770	3,096	2,810	3,155	6,533	5,868	7,132	7,003

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 40A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	467,745	547,153	615,908	642,314	812,160	817,601	907,587	1,028,225
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	38,945	43,411	52,561	56,967	56,284	64,379	72,158	82,805
FOREST SERVICE	87	186	573	506	537	901	1,307	1,419
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	80,712
AGRICULTURAL RESEARCH	2,277	2,222	2,059	2,125	1,820	2,495	1,983	4,621
COOPERATIVE RESEARCH	36,376	40,513	49,801	53,770	53,467	60,503	68,156	76,091
TECHNICAL INFORMATION SYSTEMS	8	100	45	112	100	-	5	-
OTHER AGRICULTURE	197	390	283	454	360	480	707	674
DEPARTMENT OF COMMERCE, TOTAL	2,137	10,560	15,355	21,518	16,815	14,565	17,561	15,325
NATIONAL BUREAU OF STANDARDS	5	8	61	108	459	189	53	107
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	1,594	9,646	14,630	21,255	16,162	14,125	16,531	14,355
OTHER COMMERCE	538	906	664	155	194	251	977	863
DEPARTMENT OF DEFENSE, TOTAL	45,429	54,094	46,492	45,875	60,706	59,461	79,500	79,159
DEPARTMENT OF THE ARMY	10,127	7,388	12,669	11,425	16,020	13,024	11,884	10,915
MILITARY FUNCTIONS	9,313	6,795	11,074	10,667	15,165	12,162	9,431	10,310
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	814	593	1,595	758	855	862	2,453	605
DEPARTMENT OF THE NAVY	8,622	14,917	10,447	7,840	11,264	11,627	9,936	9,880
DEPARTMENT OF THE AIR FORCE	11,996	11,873	12,797	13,053	15,849	16,614	20,886	27,278
DEFENSE AGENCIES	14,304	19,475	10,201	13,284	17,263	18,004	36,714	30,946
OTHER DOD	380	441	378	273	310	192	80	140
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	62,827
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	257,988	308,283	371,764	373,743	500,068	498,455	566,115	630,495
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	32,892	49,195	44,310	48,902	55,829
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	4,485	4,764	4,622	2,941	5,358

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TABLE 40A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	4,633	6,646	5,285	8,196	13,977	8,377	7,682	8,425
HEALTH SERVICES & MENTAL HEALTH ADMIN	39,146	36,020	48,155	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	2,582	2,599	492	1,517	5,840
NATIONAL INSTITUTES OF HEALTH	187,314	222,324	287,514	294,133	409,762	413,424	459,722	503,694
OFFICE OF EDUCATION	10,121	22,348	10,533	5,426	4,407	3,386	9,916	5,749
OTHER HEW	16,774	20,445	20,277	26,029	15,362	21,844	35,435	45,600
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	665	640	654	1,547	1,840	1,534	3,462
DEPARTMENT OF THE INTERIOR, TOTAL	12,613	14,874	16,375	16,880	14,841	20,174	18,515	16,839
BUREAU OF MINES	1,042	1,618	1,928	2,287	3,058	4,686	4,120	2,000
GEOLOGICAL SURVEY	344	672	488	738	789	2,372	2,968	2,551
OTHER INTERIOR	11,227	12,584	13,959	13,855	10,994	13,116	11,427	12,288
DEPARTMENT OF JUSTICE	1,842	2,500	2,805	1,722	1,202	1,580	1,853	2,652
DEPARTMENT OF LABOR	1,469	1,990	2,714	4,645	6,363	2,907	2,237	3,783
DEPARTMENT OF STATE, TOTAL	5,258	13,907	15,758	8,221	10,310	10,197	9,890	21,847
AGENCY FOR INTERNATIONAL DEVELOPMENT	5,232	13,853	15,753	8,068	10,084	9,980	9,582	21,557
OTHER STATE	26	54	5	153	226	217	308	290
DEPARTMENT OF TRANSPORTATION, TOTAL	10,219	7,688	7,455	9,586	3,987	2,957	2,451	2,430
FEDERAL AVIATION ADMINISTRATION	100	69	892	450	430	320	230	400
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	4,986	2,030	2,949	6,677	1,737	730	1,206	1,200
URBAN MASS TRANSPORTATION ADMIN	3,088	2,528	74	88	-	-	-	-
OTHER TRANSPORTATION	2,045	3,061	3,540	2,371	1,820	1,907	1,015	830
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-

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TABLE 40A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	17,372	16,594	16,398	18,790	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	28,224	54,610	48,053	N/A
ENVIRONMENTAL PROTECTION AGENCY	10,360	10,574	10,843	9,863	14,946	16,045	16,622	37,984
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	31,303	20,352	7,731	24,159	23,674	26,169	30,679	33,071
NATIONAL SCIENCE FOUNDATION	22,298	33,328	44,845	43,118	61,988	41,054	36,837	29,778
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	328	725	2,400	4,453
OFFICE OF ECONOMIC OPPORTUNITY	9,764	7,403	3,364	5,420	-	-	N/A	N/A
VETERANS ADMINISTRATION	308	623	620	99	141	-	-	840
ALL OTHER AGENCIES	441	307	188	1,054	10,738	4,483	1,182	475

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 40B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	817,601	907,587	1,028,225	1,167,394	1,252,200	1,376,838	1,417,052	1,419,338
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	64,379	72,158	82,805	103,707	114,133	124,197	135,501	152,189
FOREST SERVICE	901	1,307	1,419	3,814	3,542	4,597	5,038	5,532
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	80,712	97,984	109,782	118,277	128,944	144,589
AGRICULTURAL RESEARCH	2,495	1,983	4,621	9,453	11,593	13,793	14,525	17,634
COOPERATIVE RESEARCH	60,503	68,156	76,091	88,531	98,189	104,484	114,419	126,955
TECHNICAL INFORMATION SYSTEMS	-	5	-	-	-	-	-	-
OTHER AGRICULTURE	480	707	674	1,909	809	1,323	1,519	2,068
DEPARTMENT OF COMMERCE, TOTAL	14,565	17,561	15,325	21,938	26,396	37,643	37,048	11,632
NATIONAL BUREAU OF STANDARDS	189	53	107	218	368	281	320	420
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	14,125	16,531	14,355	20,686	24,592	36,112	35,903	11,112
OTHER COMMERCE	251	977	863	1,034	1,436	1,250	825	100
DEPARTMENT OF DEFENSE, TOTAL	59,461	79,500	79,159	74,927	92,284	104,354	113,809	139,682
DEPARTMENT OF THE ARMY	13,024	11,884	10,915	13,744	12,696	15,106	13,564	15,471
MILITARY FUNCTIONS	12,162	9,431	10,310	12,379	11,658	13,662	12,224	14,014
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	862	2,453	605	1,365	1,038	1,444	1,340	1,457
DEPARTMENT OF THE NAVY	11,627	9,936	9,880	23,557	37,478	13,709	17,009	19,229
DEPARTMENT OF THE AIR FORCE	16,614	20,886	27,278	24,755	28,476	60,276	67,510	72,161
DEFENSE AGENCIES	18,004	36,714	30,946	12,651	13,634	15,263	15,726	32,821
OTHER DOD	192	80	140	220	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	38,180	42,209	40,265	16,716
DEPARTMENT OF ENERGY	N/A	N/A	62,827	89,246	106,539	108,125	100,732	92,903
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	496,455	566,115	630,495	705,599	N/A	N/A	N/A	N/A

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TABLE 40B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	44,310	48,902	55,829	58,788	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	4,622	2,941	5,358	6,188	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	8,377	7,682	8,425	11,237	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	492	1,517	5,840	6,046	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	413,424	459,722	503,694	574,973	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	3,386	9,916	5,749	6,529	N/A	N/A	N/A	N/A
OTHER HEW	21,844	35,435	45,600	41,838	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	685,759	765,204	788,744	824,379
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	67,870	71,846	68,460	67,275
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	6,670	7,670	4,944	4,933
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	8,493	6,895	6,700	6,800
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	4,968	7,084	7,600	7,600
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	576,155	648,214	677,121	722,716
OTHER HHS	N/A	N/A	N/A	N/A	21,603	23,495	23,919	15,055
DEPT OF HOUSING & URBAN DEVELOPMENT	1,840	1,534	3,462	5,664	1,864	991	962	1,031
DEPARTMENT OF THE INTERIOR, TOTAL	20,174	18,515	16,839	24,095	28,783	30,724	24,314	18,855
BUREAU OF MINES	4,686	4,120	2,000	2,200	2,150	1,500	1,500	1,500
GEOLOGICAL SURVEY	2,372	2,968	2,551	6,126	6,617	8,245	8,055	8,055
OTHER INTERIOR	13,116	11,427	12,288	15,769	20,016	20,979	14,759	9,300
DEPARTMENT OF JUSTICE	1,580	1,853	2,652	3,267	3,685	5,245	4,889	3,020
DEPARTMENT OF LABOR	2,907	2,237	3,783	5,858	3,836	2,344	4,753	3,856
DEPARTMENT OF STATE, TOTAL	10,197	9,890	21,847	16,892	256	168	259	259
AGENCY FOR INTERNATIONAL DEVELOPMENT	9,980	9,582	21,557	16,368	N/A	N/A	N/A	N/A
OTHER STATE	217	308	290	524	256	168	259	259
DEPARTMENT OF TRANSPORTATION, TOTAL	2,957	2,451	2,430	1,500	3,700	8,234	7,922	8,173
FEDERAL AVIATION ADMINISTRATION	320	230	400	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	730	1,206	1,200	1,200	1,500	2,689	2,672	2,598
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	3,049	2,900	3,200
OTHER TRANSPORTATION	1,907	1,015	830	300	2,200	2,496	2,350	2,375
DEPARTMENT OF THE TREASURY	-	-	-	-	25	40	-	-

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TABLE 40B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	54,610	48,053	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	16,045	16,622	37,984	45,549	43,750	35,188	43,227	32,272
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	28,322	34,502	32,291	34,033
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	28,322	34,502	32,291	34,033
NATIONAL AERONAUTICS & SPACE ADMIN	26,169	30,679	33,071	27,957	28,511	33,353	36,000	37,000
NATIONAL SCIENCE FOUNDATION	41,054	36,837	29,778	32,143	38,084	37,111	38,142	35,211
NUCLEAR REGULATORY COMMISSION	725	2,400	4,453	7,981	6,809	5,902	6,987	6,900
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	-	-	840	593	430	397	278	285
ALL OTHER AGENCIES	4,483	1,182	475	478	854	907	929	942

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 41A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	149,941	198,344	244,829	217,683	287,096	266,442	308,940	349,633
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	643	440	341	282	255	131	189	126
FOREST SERVICE	-	65	-	77	48	-	-	-
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	126
AGRICULTURAL RESEARCH	457	361	314	185	207	131	189	126
COOPERATIVE RESEARCH	186	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	14	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	27	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	476	872	2,707	1,298	1,527	1,526	1,671	2,159
NATIONAL BUREAU OF STANDARDS	-	-	-	37	156	162	42	193
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	319	395	2,707	712	829	413	1,137	837
OTHER COMMERCE	157	477	-	547	542	951	492	1,129
DEPARTMENT OF DEFENSE, TOTAL	18,702	23,270	47,910	35,522	33,087	30,721	34,828	31,317
DEPARTMENT OF THE ARMY	2,656	5,090	9,419	8,515	7,944	5,131	7,099	7,373
MILITARY FUNCTIONS	2,581	5,015	9,344	8,515	7,944	5,131	7,099	7,373
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	75	75	75	-	-	-	-	-
DEPARTMENT OF THE NAVY	3,397	2,779	3,781	2,289	2,778	1,705	2,070	1,119
DEPARTMENT OF THE AIR FORCE	4,798	4,749	5,119	5,100	4,596	5,538	2,984	5,660
DEFENSE AGENCIES	6,787	9,796	28,334	18,479	16,849	17,931	22,500	16,889
OTHER DOD	1,064	856	1,257	1,139	920	416	175	276
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,263
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	81,974	103,838	126,202	124,252	171,600	162,744	199,920	226,014
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	13,728	22,427	11,459	12,167	16,740
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	1,109	2,294	5,061	5,945	4,904

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TABLE 41A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FOOD & DRUG ADMINISTRATION	1,007	709	1,585	1,822	3,061	1,079	1,007	2,193
HEALTH SERVICES & MENTAL HEALTH ADMIN	14,896	17,339	19,899	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	1,991	1,892	1,113	2,158	4,572
NATIONAL INSTITUTES OF HEALTH	50,573	62,551	81,459	87,323	123,904	133,314	150,806	167,414
OFFICE OF EDUCATION	6,769	12,621	4,502	578	768	762	3,958	2,872
OTHER HEW	8,729	10,618	18,757	17,701	17,254	9,956	23,879	27,319
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	1,064	823	2,992	1,800	4,541	5,360	2,807	8,294
DEPARTMENT OF THE INTERIOR, TOTAL	1,195	1,441	1,061	2,521	189	296	-	50
BUREAU OF MINES	172	270	138	80	155	-	-	-
GEOLOGICAL SURVEY	-	-	-	35	-	-	-	-
OTHER INTERIOR	1,023	1,171	923	2,406	34	296	-	50
DEPARTMENT OF JUSTICE	331	2,069	362	963	11,052	5,988	7,397	5,809
DEPARTMENT OF LABOR	1,704	2,306	2,074	1,483	1,824	1,152	1,744	1,084
DEPARTMENT OF STATE, TOTAL	8,078	3,554	1,984	8,152	1,314	4,120	3,482	3,759
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,058	3,510	1,827	8,052	1,311	4,067	3,330	3,569
OTHER STATE	20	44	157	100	3	53	152	190
DEPARTMENT OF TRANSPORTATION, TOTAL	7,107	1,719	4,518	4,976	3,764	3,022	1,108	5,064
FEDERAL AVIATION ADMINISTRATION	-	-	-	274	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,961	1,147	3,185	3,143	2,235	1,690	485	3,147
URBAN MASS TRANSPORTATION ADMIN	2,796	97	798	28	34	-	-	-
OTHER TRANSPORTATION	350	475	535	1,531	1,495	1,332	623	1,917
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-

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TABLE 41A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	2,905	2,962	6,716	6,189	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	9,520	9,158	22,102	N/A
ENVIRONMENTAL PROTECTION AGENCY	4,776	950	1,100	4,111	5,905	6,300	4,274	9,650
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	13,424	12,337	6,019	6,462	22,713	10,120	2,638	3,693
NATIONAL SCIENCE FOUNDATION	1,800	1,777	3,113	8,180	11,752	14,796	12,946	13,210
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	227	1,034	2,400	2,837
OFFICE OF ECONOMIC OPPORTUNITY	5,467	37,205	36,865	9,810	-	-	N/A	N/A
VETERANS ADMINISTRATION	-	156	270	256	87	376	-	486
ALL OTHER AGENCIES	295	625	595	1,448	7,739	9,598	11,434	15,818

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 41B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	266,442	308,940	349,633	397,978	381,952	398,686	401,184	406,472
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	131	189	126	147	179	162	226	248
FOREST SERVICE	-	-	-	16	107	66	72	79
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	126	131	72	96	154	169
AGRICULTURAL RESEARCH	131	189	126	131	72	96	154	169
COOPERATIVE RESEARCH	-	-	-	-	-	-	-	-
TECHNICAL INFORMATION SYSTEMS	-	-	-	-	-	-	-	-
OTHER AGRICULTURE	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,526	1,671	2,159	3,141	4,195	1,968	1,691	843
NATIONAL BUREAU OF STANDARDS	162	42	193	817	-	169	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	413	1,137	837	1,032	1,640	1,259	1,241	843
OTHER COMMERCE	951	492	1,129	1,292	2,555	540	450	-
DEPARTMENT OF DEFENSE, TOTAL	30,721	34,826	31,317	29,815	32,826	33,584	37,443	44,928
DEPARTMENT OF THE ARMY	5,131	7,099	7,373	8,126	9,171	7,206	8,428	8,543
MILITARY FUNCTIONS	5,131	7,099	7,373	8,088	9,144	7,156	8,382	8,493
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	38	27	50	46	50
DEPARTMENT OF THE NAVY	1,705	2,070	1,119	1,450	1,496	816	841	1,352
DEPARTMENT OF THE AIR FORCE	5,538	2,984	5,660	3,536	3,526	5,425	6,054	6,471
DEFENSE AGENCIES	17,931	22,500	16,889	15,226	18,633	20,137	22,120	28,562
OTHER DOD	416	175	276	1,477	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	21,570	15,092	15,507	11,405
DEPARTMENT OF ENERGY	N/A	N/A	20,263	21,053	31,307	34,902	36,540	33,692
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	162,744	199,920	226,014	241,440	N/A	N/A	N/A	N/A

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TABLE 41B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	11,459	12,167	16,740	14,272	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	5,061	5,945	4,904	3,746	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	1,079	1,007	2,193	5,005	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	1,113	2,158	4,572	5,423	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	133,314	150,806	167,414	178,737	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	762	3,958	2,872	3,482	N/A	N/A	N/A	N/A
OTHER HEW	9,956	23,879	27,319	30,775	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	222,549	231,368	230,488	244,021
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	22,628	18,214	16,627	17,393
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	N/A	5,021	5,209	4,712	4,712
FOOD & DRUG ADMINISTRATION	N/A	N/A	N/A	N/A	4,531	2,255	2,300	2,300
HEALTH CARE FINANCING ADMINISTRATION	N/A	N/A	N/A	N/A	90	-	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	173,401	186,031	188,560	202,285
OTHER HHS	N/A	N/A	N/A	N/A	16,878	19,659	18,289	17,331
DEPT OF HOUSING & URBAN DEVELOPMENT	5,360	2,807	8,294	6,941	3,737	2,118	2,060	2,207
DEPARTMENT OF THE INTERIOR, TOTAL	296	-	50	1,907	1,630	1,914	1,700	1,970
BUREAU OF MINES	-	-	-	800	1,000	1,000	1,000	1,000
GEOLOGICAL SURVEY	-	-	-	-	-	-	-	-
OTHER INTERIOR	296	-	50	1,107	630	914	700	970
DEPARTMENT OF JUSTICE	5,988	7,397	5,809	24,013	13,512	9,586	7,499	4,955
DEPARTMENT OF LABOR	1,152	1,744	1,084	5,862	3,486	11,087	8,986	3,468
DEPARTMENT OF STATE, TOTAL	4,120	3,482	3,759	13,899	428	249	85	85
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,067	3,330	3,569	13,597	N/A	N/A	N/A	N/A
OTHER STATE	53	152	190	302	428	249	85	85
DEPARTMENT OF TRANSPORTATION, TOTAL	3,022	1,108	5,064	6,080	2,609	3,521	3,119	3,069
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,690	485	3,147	4,401	1,350	1,809	1,797	1,747
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	540	-	-
OTHER TRANSPORTATION	1,332	623	1,917	1,679	1,259	1,172	1,322	1,322
DEPARTMENT OF THE TREASURY	-	-	-	-	-	11	-	40

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TABLE 41B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	9,158	22,102	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	6,300	4,274	9,650	17,175	14,500	16,300	18,943	19,680
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	1,195	2,560	1,990	2,330
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	1,195	2,560	1,990	2,330
NATIONAL AERONAUTICS & SPACE ADMIN	10,120	2,638	3,693	5,493	6,219	15,889	15,339	16,050
NATIONAL SCIENCE FOUNDATION	14,796	12,946	13,210	11,397	10,985	8,382	7,570	5,044
NUCLEAR REGULATORY COMMISSION	1,034	2,400	2,837	3,087	2,963	1,760	2,769	2,565
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	376	-	486	379	150	-	-	-
ALL OTHER AGENCIES	9,598	11,434	15,818	6,149	7,912	8,233	9,229	9,872

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 42A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	42,771	46,448	43,127	29,328	66,664	87,844	116,698	139,104
DEPARTMENT OF DEFENSE, TOTAL	3,853	2,568	4,320	1,949	392	1,314	563	442
DEPARTMENT OF THE ARMY	-	-	-	-	14	-	-	37
MILITARY FUNCTIONS	-	-	-	-	14	-	-	37
DEFENSE AGENCIES	3,734	2,258	4,020	1,714	259	1,238	531	405
OTHER DOD	119	310	300	235	119	76	32	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	68,792
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	-	-	-	-	-	12,320	13,273	10,655
NATIONAL INSTITUTES OF HEALTH	-	-	-	-	-	12,320	13,273	10,655
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	375	285	-	-	-	-	-	-
OTHER INTERIOR	375	285	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	-	-	-
OTHER STATE	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	2	-	-	-	-	-	-
OTHER TRANSPORTATION	-	2	-	-	-	-	-	-

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TABLE 42A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	37,093	40,669	35,607	25,691	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	29,249	28,956	49,435	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	1,450	365	751	226	102	34	-	-
NATIONAL SCIENCE FOUNDATION	-	2,559	2,449	1,462	1,705	739	307	105
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	35,136	44 11	52,970	59,110
ALL OTHER AGENCIES	-	-	-	-	80	70	150	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 428. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	87,844	116,698	139,104	169,757	178,338	240,679	267,189	309,894
DEPARTMENT OF DEFENSE, TOTAL	1,314	563	442	1,342	2,155	3,606	5,600	6,279
DEPARTMENT OF THE ARMY	-	-	37	-	-	-	-	-
MILITARY FUNCTIONS	-	-	37	-	-	-	-	-
DEFENSE AGENCIES	1,238	531	405	1,260	2,155	3,606	5,600	6,279
OTHER DOD	76	32	-	82	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	68,792	79,192	76,465	110,035	118,738	148,351
DEPT OF HEALTH, EDUC. & WELFARE, TOTAL	12,320	13,273	10,655	12,582	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	12,320	13,273	10,655	12,582	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	11,659	11,095	11,886	13,704
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	11,659	11,095	11,886	13,704
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	193	-	-	86	60
OTHER INTERIOR	-	-	-	193	-	-	86	60
DEPARTMENT OF STATE, TOTAL	-	-	-	45	-	-	40	40
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	45	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	-	-	-	40	40
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-

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TABLE 42B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	28,956	49,435	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	34	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	739	307	105	30	-	2	5	-
NUCLEAR REGULATORY COMMISSION	44,411	52,970	59,110	76,373	88,059	115,941	130,834	141,460
ALL OTHER AGENCIES	70	150	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 43A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	145,588	131,182	143,956	126,182	150,868	167,964	263,394	346,185
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	73	207	821
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	73	207	821
DEPARTMENT OF DEFENSE, TOTAL	38,493	28,732	39,566	28,678	36,748	44,243	43,007	79,802
DEPARTMENT OF THE ARMY	2,951	115	4,858	78	431	2,191	102	195
MILITARY FUNCTIONS	2,911	100	4,858	78	431	2,191	102	195
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	40	15	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	14,350	12,418	14,224	10,072	15,684	12,637	18,210	59,991
DEPARTMENT OF THE AIR FORCE	200	250	280	304	564	212	744	1,121
DEFENSE AGENCIES	20,972	15,909	20,204	18,224	20,069	29,203	23,951	18,495
OTHER DOD	20	40	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	219,618
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	3,333	4,405	3,888	533	1,721	2,741	2,823	3,155
FOOD & DRUG ADMINISTRATION	-	-	4	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	-	218	265	533	1,721	2,741	2,823	3,155
OFFICE OF EDUCATION	3,333	4,187	3,619	-	-	-	-	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	550	400	530	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	107	-	-	5	-	-
BUREAU OF MINES	-	-	107	-	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	-	5	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	-	-	19	-	-	-	-	-

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TABLE 43A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF LABOR	-	-	-	-	349	264	130	- 25
DEPARTMENT OF STATE, TOTAL	-	-	-	5	-	-	-	-
OTHER STATE	-	-	-	5	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	160	250	744	978	224	109	10	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	123	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	-	374	486	170	57	10	-
OTHER TRANSPORTATION	160	250	370	369	54	52	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	72,571	74,830	72,677	78,328	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	93,261	90,866	186,035	N/A
ENVIRONMENTAL PROTECTION AGENCY	219	-	-	88	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	29,147	20,998	22,386	13,797	11,471	20,614	16,724	18,590
NATIONAL SCIENCE FOUNDATION	1,665	1,417	4,169	3,245	5,677	2,681	2,958	1,959
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	1,417	6,368	11,500	22,205
ALL OTHER AGENCIES	-	-	-	-	-	-	-	10

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 43B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	167,964	263,394	348,185	358,078	406,994	414,331	443,826	544,861
DEPARTMENT OF COMMERCE, TOTAL	73	207	821	126	270	383	650	500
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	73	207	821	126	270	383	650	500
DEPARTMENT OF DEFENSE, TOTAL	44,243	43,007	79,802	51,948	55,914	31,150	30,726	55,067
DEPARTMENT OF THE ARMY	2,191	102	195	2,236	1,729	2,640	1,697	473
MILITARY FUNCTIONS	2,191	102	195	2,236	1,729	2,640	1,697	473
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	12,637	18,210	59,991	13,169	16,721	2,579	2,635	3,550
DEPARTMENT OF THE AIR FORCE	212	744	1,121	19,600	19,700	-	-	-
DEFENSE AGENCIES	29,203	23,951	18,495	16,943	17,764	25,931	26,394	51,044
OTHER DOD	-	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	219,618	261,473	299,225	320,574	351,144	420,845
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,741	2,823	3,155	4,133	N/A	N/A	N/A	N/A
FOOD & DRUG ADMINISTRATION	-	-	-	-	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	2,741	2,823	3,155	4,133	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	2,787	3,440	4,266	4,573
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,787	3,440	4,266	4,573
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	5	-	-	156	220	107	500	475
BUREAU OF MINES	-	-	-	-	150	100	100	100
GEOLOGICAL SURVEY	5	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	156	70	7	400	375
DEPARTMENT OF JUSTICE	-	-	-	-	-	-	-	-

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TABLE 43B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF LABOR	264	130	25	3	35	-	-	-
DEPARTMENT OF STATE, TOTAL	-	-	-	-	-	20	20	20
OTHER STATE	-	-	-	-	-	20	20	20
DEPARTMENT OF TRANSPORTATION, TOTAL	109	10	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	57	10	-	-	-	-	-	-
OTHER TRANSPORTATION	52	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	28	28	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	90,866	186,035	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	20,614	16,724	18,590	18,473	23,381	31,404	26,072	30,614
NATIONAL SCIENCE FOUNDATION	2,681	2,958	1,959	199	242	117	250	130
NUCLEAR REGULATORY COMMISSION	6,368	11,500	22,205	21,354	24,696	26,688	30,048	32,330
ALL OTHER AGENCIES	-	-	10	213	196	422	150	307

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 44A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	41,563	49,845	52,639	46,796	44,553	50,992	49,608	49,907
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	25	35	68	173
FOREST SERVICE	-	-	-	-	25	35	68	173
DEPARTMENT OF COMMERCE, TOTAL	3	-	-	-	100	38	100	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	38	100	-
OTHER COMMERCE	3	-	-	-	100	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	26,238	31,076	27,850	16,246	16,897	20,668	12,271	14,118
DEPARTMENT OF THE ARMY	3,795	7,310	4,599	120	29	-	102	-
MILITARY FUNCTIONS	3,795	7,310	4,599	120	29	-	102	-
DEPARTMENT OF THE NAVY	44	-	-	416	469	504	578	673
DEFENSE AGENCIES	21,863	23,501	22,892	15,415	16,277	20,013	11,528	13,380
OTHER DOD	536	265	359	295	122	151	63	65
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27,434
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,250	2,750	2,295	620	1,153	2,708	2,557	1,257
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	-	30	281	-
NATIONAL INSTITUTES OF HEALTH	320	513	710	620	1,153	2,458	1,744	1,257
OFFICE OF EDUCATION	1,930	2,237	1,585	-	-	-	-	-
OTHER HEW	-	-	-	-	-	220	532	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	212	2,500	6,324	5,195	7,487	-

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TABLE 44A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPARTMENT OF THE INTERIOR, TOTAL	97	-	-	-	-	-	-	-
BUREAU OF MINES	97	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	-	-	4,850	372	375	200	412	-
DEPARTMENT OF LABOR	-	-	-	-	100	3	-	-
DEPARTMENT OF STATE, TOTAL	-	38	94	112	162	304	89	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	-	-	-	-	-	221	-	-
OTHER STATE	-	38	94	112	162	83	89	-
DEPARTMENT OF TRANSPORTATION, TOTAL	575	3,246	1,718	3,358	55	57	90	-
FEDERAL AVIATION ADMINISTRATION	-	-	-	1,599	55	57	90	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	123	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	1,931	899	-	-	-	-	-
OTHER TRANSPORTATION	575	1,192	819	1,759	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	350
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	9,735	10,418	10,758	12,145	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	13,846	12,348	19,036	N/A
ENVIRONMENTAL PROTECTION AGENCY	197	230	440	904	550	800	307	685
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	615	18	1,350	279	154	880	1,160	628
NATIONAL SCIENCE FOUNDATION	719	581	398	-	2,642	2,626	1,520	150
NUCLEAR REGULATORY COMMISSION	N/A	N/A	N/A	N/A	2,017	4,584	4,060	5,062
OFFICE OF ECONOMIC OPPORTUNITY	312	1,217	2,464	9,946	-	-	N/A	N/A
ALL OTHER AGENCIES	822	271	212	314	153	548	449	50

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 44B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	50,992	49,808	49,907	61,157	66,652	64,210	60,346	55,404
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	35	68	173	-	-	-	-	-
FOREST SERVICE	35	68	173	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	38	100	-	-	-	163	165	138
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	38	100	-	-	-	163	165	138
OTHER COMMERCE	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	20,668	12,271	14,118	13,063	13,166	11,542	15,070	12,659
DEPARTMENT OF THE ARMY	-	102	-	230	440	1,555	1,714	2,100
MILITARY FUNCTIONS	-	102	-	230	440	1,555	1,714	2,100
DEPARTMENT OF THE NAVY	504	578	673	706	1,020	1,370	1,506	1,635
DEFENSE AGENCIES	20,013	11,528	13,380	11,858	11,706	8,617	11,850	8,924
OTHER DOD	151	63	65	269	-	-	-	-
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	280	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	27,434	36,479	38,670	39,950	30,905	23,651
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	2,708	2,557	1,257	1,001	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	30	281	-	250	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	2,458	1,744	1,257	751	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	-	-	-	-	N/A	N/A	N/A	N/A
OTHER HEW	220	532	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	946	253	238	3,604
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	946	253	238	254
OTHER HHS	N/A	N/A	N/A	N/A	-	-	-	3,350
DEPT OF HOUSING & URBAN DEVELOPMENT	5,195	7,487	-	-	-	-	-	-

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TABLE 44B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	113	115	180	160
BUREAU OF MINES	-	-	-	-	100	100	100	100
OTHER INTERIOR	-	-	-	-	13	15	80	60
DEPARTMENT OF JUSTICE	200	412	-	100	-	-	-	-
DEPARTMENT OF LABOR	3	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	304	89	-	-	69	-	50	50
AGENCY FOR INTERNATIONAL DEVELOPMENT	221	-	-	-	N/A	N/A	N/A	N/A
OTHER STATE	83	89	-	-	69	-	50	50
DEPARTMENT OF TRANSPORTATION, TOTAL	57	90	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	57	90	-	-	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	350	364	311	31	50	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	12,348	19,038	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	800	307	685	1,381	1,350	-	-	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	207	241	200	280
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	207	241	200	280
NATIONAL AERONAUTICS & SPACE ADMIN	880	1,160	628	465	58	59	56	56
NATIONAL SCIENCE FOUNDATION	2,626	1,520	150	301	-	25	-	-
NUCLEAR REGULATORY COMMISSION	4,584	4,060	5,062	7,993	11,297	11,731	13,283	14,615
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALL OTHER AGENCIES	546	449	50	10	185	100	149	191

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 45A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL FIELDS	2,953,852	3,116,984	3,324,663	3,339,754	3,777,051	4,129,325	4,840,605	5,244,618
LIFE SCIENCES, TOTAL	736,010	831,703	968,975	1,042,705	1,232,976	1,339,266	1,427,681	1,624,384
BIOLOGICAL & AGRICULTURAL, TOTAL	373,652	415,198	470,649	514,598	624,304	705,165	717,386	843,993
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	-	-	-	-	-
ENVIRONMENTAL BIOLOGY	-	-	-	-	-	-	-	-
AGRICULTURAL	-	-	-	-	-	-	-	-
MEDICAL SCIENCES, TOTAL	344,048	385,610	467,374	505,354	593,252	608,740	668,554	723,971
CLINICAL MEDICAL	333,684	361,971	426,893	459,011	532,728	511,737	545,104	594,802
OTHER MEDICAL	10,364	23,639	40,481	46,343	60,524	97,003	123,450	129,169
LIFE SCIENCES, NEC	18,310	30,895	30,952	22,753	15,420	25,361	41,741	58,420
PSYCHOLOGY, TOTAL	59,279	61,742	64,894	64,560	87,295	80,550	98,467	100,484
BIOLOGICAL ASPECTS	12,627	12,462	14,895	13,816	30,720	19,211	25,342	35,087
SOCIAL ASPECTS	31,762	31,958	29,220	29,090	33,944	34,888	38,834	34,465
PSYCHOLOGICAL SCIENCES, NEC	14,890	17,322	20,779	21,654	22,631	26,451	34,291	30,932
PHYSICAL SCIENCES, TOTAL	344,796	311,965	382,889	353,530	368,464	387,685	537,457	640,177
ASTRONOMY	5,724	2,800	7,540	1,608	2,689	5,291	3,133	3,984
CHEMISTRY	100,357	95,133	105,604	116,068	131,091	126,906	160,179	162,027
PHYSICS	215,644	176,050	211,845	192,463	196,341	215,981	320,823	398,846
PHYSICAL SCIENCES, NEC	23,071	35,982	57,900	43,391	36,343	39,507	53,322	75,320
ENVIRONMENTAL SCIENCES, TOTAL	230,780	258,797	285,087	297,447	334,177	434,550	463,686	507,690
ATMOSPHERIC SCIENCES	109,946	127,671	112,043	104,750	141,000	180,811	165,726	165,766
GEOLOGICAL SCIENCES	72,321	76,359	90,130	88,070	76,154	103,120	131,457	140,710
OCEANOGRAPHY	31,453	37,223	43,830	50,363	55,470	69,023	85,693	89,580
ENVIRONMENTAL SCIENCES, NEC	17,060	17,544	39,084	54,264	61,553	81,596	80,810	111,634

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TABLE 45A. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1970	1971	1972	1973	1974	1975	1976	1977
MATHEMATICS & COMPUTER SCIENCES, TOTAL	35,566	51,286	54,122	54,680	61,529	63,253	75,989	112,472
MATHEMATICS	-	-	-	-	-	-	26,695	44,279
COMPUTER SCIENCES	-	-	-	-	-	-	46,989	58,337
MATHEMATICS & COMPUTER SCIENCES, NEC	-	-	-	-	-	-	2,305	9,856
ENGINEERING, TOTAL	1,335,907	1,294,169	1,242,735	1,149,821	1,348,861	1,454,930	1,795,856	1,775,234
AERONAUTICAL	301,182	261,391	182,204	198,386	303,890	314,907	494,839	359,327
ASTRONAUTICAL	165,177	141,564	57,825	38,694	86,405	87,788	167,536	148,810
CHEMICAL	97,317	93,922	66,268	59,549	50,144	67,513	69,845	80,767
CIVIL	65,562	70,489	114,423	95,749	93,543	117,874	98,119	106,998
ELECTRICAL	249,252	242,211	291,019	253,595	230,792	239,202	244,606	327,588
MECHANICAL	142,664	162,666	147,239	185,133	114,427	144,849	165,564	169,545
METALLURGY & MATERIALS	86,850	99,173	119,544	104,806	116,000	122,126	171,636	168,945
ENGINEERING, NEC	227,903	222,753	264,213	213,909	353,660	360,671	383,711	413,254
SOCIAL SCIENCES, TOTAL	147,515	232,697	225,359	218,593	217,365	228,059	306,030	330,612
ANTHROPOLOGY	713	2,950	3,289	1,149	4,596	6,866	7,159	4,339
ECONOMICS	52,428	48,056	56,759	66,432	92,854	104,172	111,943	113,769
POLITICAL SCIENCE	3,944	2,735	1,743	4,111	6,240	10,086	4,240	5,935
SOCIOLOGY	25,160	88,922	98,656	89,594	49,864	39,838	37,044	36,221
SOCIAL SCIENCES, NEC	65,270	90,034	64,912	57,307	63,811	67,097	145,644	170,348
HISTORY	207	516	248	245	337	956	-	-
LINGUISTICS	50	768	1,280	1,128	1,005	941	-	-
OTHER SOCIAL SCIENCES	65,013	88,750	63,384	55,934	62,469	65,200	-	-
OTHER SCIENCES, NEC	63,999	74,605	100,602	158,418	128,384	141,032	135,439	153,565

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 45B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	4,129,325	4,840,605	5,244,618	5,896,099	6,329,489	6,909,225	7,322,622	7,982,850
LIFE SCIENCES, TOTAL	1,339,266	1,427,681	1,624,384	1,838,743	1,956,504	2,137,910	2,232,044	2,307,248
BIOLOGICAL & AGRICULTURAL, TOTAL	705,165	717,388	843,993	945,339	1,041,032	1,168,124	1,240,185	1,297,384
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	613,965	646,724	730,755	770,496	819,442
ENVIRONMENTAL BIOLOGY	-	-	-	120,528	125,751	143,623	157,218	155,042
AGRICULTURAL	-	-	-	210,846	268,557	293,746	312,471	322,900
MEDICAL SCIENCES, TOTAL	608,740	668,554	723,971	819,775	820,505	879,025	903,014	922,989
CLINICAL MEDICAL	511,737	545,104	594,802	-	-	-	-	-
OTHER MEDICAL	97,003	123,450	129,169	-	-	-	-	-
LIFE SCIENCES, NEC	25,361	41,741	56,420	73,629	94,967	89,861	88,845	86,875
PSYCHOLOGY, TOTAL	80,550	98,467	100,484	109,194	122,315	114,803	118,571	129,942
BIOLOGICAL ASPECTS	18,211	25,342	35,087	29,925	30,407	29,722	30,521	31,451
SOCIAL ASPECTS	34,888	38,834	34,465	40,133	49,639	63,546	61,118	65,930
PSYCHOLOGICAL SCIENCES, NEC	26,451	34,291	30,932	39,136	42,269	21,535	26,932	32,561
PHYSICAL SCIENCES, TOTAL	387,685	537,457	640,177	703,262	741,516	778,952	919,414	1,162,798
ASTRONOMY	5,291	3,133	3,984	3,528	3,786	6,251	6,315	6,482
CHEMISTRY	126,906	160,179	162,027	201,613	218,690	197,480	222,713	243,371
PHYSICS	215,981	320,823	398,846	423,035	486,211	513,453	619,841	816,081
PHYSICAL SCIENCES, NEC	39,507	53,322	75,320	75,086	32,829	61,768	70,545	96,864
ENVIRONMENTAL SCIENCES, TOTAL	434,550	463,686	507,690	563,161	632,921	726,744	715,385	761,048
ATMOSPHERIC SCIENCES	180,811	165,726	165,766	149,108	172,293	222,295	214,074	236,249
GEOLOGICAL SCIENCES	103,120	131,457	140,710	171,186	201,000	203,353	221,396	248,702
OCEANOGRAPHY	69,023	85,693	89,580	99,861	97,905	127,830	109,117	99,144
ENVIRONMENTAL SCIENCES, NEC	81,596	80,810	111,634	143,006	161,723	173,266	170,798	176,953

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TABLE 45B. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	63,253	75,989	112,472	117,940	105,496	124,015	145,485	159,050
MATHEMATICS	-	26,695	44,279	37,240	23,963	23,833	25,018	25,568
COMPUTER SCIENCES	-	46,989	58,337	66,611	62,921	81,976	92,706	93,519
MATHEMATICS & COMPUTER SCIENCES, NEC	-	2,305	9,856	14,089	18,612	18,206	27,761	39,965
ENGINEERING, TOTAL	1,454,930	1,795,858	1,775,234	2,028,249	2,136,577	2,364,501	2,507,067	2,763,982
AERONAUTICAL	314,907	494,839	359,327	400,046	536,460	603,977	595,236	628,068
ASTRONAUTICAL	87,788	167,536	148,810	150,197	225,973	275,141	269,842	283,554
CHEMICAL	67,513	69,845	80,767	125,327	89,680	70,187	132,221	110,942
CIVIL	117,874	98,119	106,998	131,455	110,710	136,671	125,545	125,089
ELECTRICAL	239,202	244,608	327,588	374,982	355,577	446,301	498,689	610,994
MECHANICAL	144,849	165,564	169,545	204,658	159,985	165,751	149,957	163,518
METALLURGY & MATERIALS	122,126	171,636	168,945	151,434	98,229	114,847	122,297	184,715
ENGINEERING, NEC	360,671	383,711	413,254	490,150	559,963	551,626	613,280	657,104
SOCIAL SCIENCES, TOTAL	228,059	306,030	330,612	365,139	397,592	376,631	372,843	360,173
ANTHROPOLOGY	6,866	7,159	4,339	7,569	4,855	2,945	2,871	3,575
ECONOMICS	104,172	111,943	113,769	129,616	149,239	152,761	160,867	155,526
POLITICAL SCIENCE	10,086	4,240	5,935	5,571	9,781	4,767	5,855	3,589
SOCIOLOGY	39,838	37,044	36,221	41,745	46,117	46,058	44,556	40,178
SOCIAL SCIENCES, NEC	67,097	145,644	170,348	180,638	187,600	170,100	158,694	157,305
HISTORY	956	-	-	-	-	-	-	-
LINGUISTICS	941	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	65,200	-	-	-	-	-	-	-
OTHER SCIENCES, NEC	141,032	135,439	153,565	170,411	236,568	285,669	311,813	338,609

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 46A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	10,438,139	10,419,341	10,948,199	11,218,724	11,234,888	12,309,110	13,160,326	15,468,858
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	9,232	12,750	12,404	12,416	13,642	18,138	20,225	22,943
FOREST SERVICE	856	921	2,206	2,338	3,229	4,925	5,398	4,152
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17,968
AGRICULTURAL RESEARCH	8,167	11,610	9,939	9,806	10,177	13,027	14,527	17,968
OTHER AGRICULTURE	209	219	259	272	236	186	300	823
DEPARTMENT OF COMMERCE, TOTAL	27,457	30,037	43,865	60,445	51,396	70,962	73,140	68,592
NATIONAL BUREAU OF STANDARDS	2,510	3,914	4,904	5,827	7,550	8,409	9,914	8,269
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	10,838	13,428	24,916	26,487	21,971	28,304	30,224	29,916
OTHER COMMERCE	14,109	12,695	14,045	28,131	21,875	34,249	33,002	30,407
DEPARTMENT OF DEFENSE, TOTAL	6,030,468	6,199,773	6,813,591	6,968,135	6,985,978	7,581,465	8,127,241	9,247,508
DEPARTMENT OF THE ARMY	1,337,722	1,372,449	1,692,647	1,636,488	1,643,367	1,560,370	1,651,258	2,043,873
MILITARY FUNCTIONS	1,335,595	1,370,340	1,688,281	1,631,436	1,637,667	1,554,620	1,638,433	2,035,033
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	2,127	2,109	4,366	5,052	5,700	5,750	12,825	8,840
DEPARTMENT OF THE NAVY	1,901,953	1,929,729	2,112,954	2,268,406	2,317,189	2,693,674	2,890,055	3,320,048
DEPARTMENT OF THE AIR FORCE	2,665,433	2,791,576	2,911,981	2,932,558	2,874,564	3,157,653	3,344,325	3,605,320
DEFENSE AGENCIES	125,360	106,019	96,009	105,607	126,642	145,903	217,513	248,026
OTHER DOD	-	-	-	25,076	24,216	23,865	24,090	30,239
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,644,954
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	180,048	244,152	319,084	393,379	443,422	472,628	432,830	409,017
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	-	-	2,838	1,021
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	222	-	-	-	-
HEALTH SERVICES & MENTAL HEALTH ADMIN	28,054	43,745	44,278	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	90,723	66,153	65,800	52,918	37,764

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TABLE 46A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
NATIONAL INSTITUTES OF HEALTH	92,829	125,511	171,950	182,148	247,144	275,655	292,555	311,201
OFFICE OF EDUCATION	55,115	69,603	94,020	51,631	45,084	40,593	36,781	19,193
OTHER HEW	4,050	5,293	8,836	68,655	85,041	90,580	47,738	39,838
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	22,843	37,216	36,430	39,453	30,987	28,533	30,630	19,384
DEPARTMENT OF THE INTERIOR, TOTAL	36,216	54,660	71,409	83,585	48,929	69,276	73,740	58,740
BUREAU OF MINES	12,563	21,561	30,237	36,053	35,590	54,715	58,000	49,592
GEOLOGICAL SURVEY	-	-	-	3,715	-	-	-	-
OTHER INTERIOR	23,653	33,099	41,172	43,817	13,339	14,561	15,740	9,148
DEPARTMENT OF JUSTICE	3,256	3,796	10,979	26,160	16,120	25,435	15,542	10,066
DEPARTMENT OF LABOR	9,301	9,190	9,857	6,617	6,550	10,098	10,533	10,838
DEPARTMENT OF STATE, TOTAL	8,663	1,078	870	1,590	4,720	5,432	14,246	23,136
AGENCY FOR INTERNATIONAL DEVELOPMENT	8,661	1,078	870	851	4,308	4,938	13,756	22,921
OTHER STATE	2	-	-	739	412	494	490	215
DEPARTMENT OF TRANSPORTATION, TOTAL	244,546	400,204	212,322	233,404	308,008	257,719	263,400	302,844
FEDERAL AVIATION ADMINISTRATION	46,127	328,954	78,698	61,608	111,149	91,455	94,500	98,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,600	12,029	29,286	32,926	38,662	21,970	21,500	19,500
URBAN MASS TRANSPORTATION ADMIN	13,756	29,275	50,972	59,953	59,320	44,763	46,900	58,900
OTHER TRANSPORTATION	181,063	29,946	53,366	78,919	98,877	99,531	100,500	125,744
DEPARTMENT OF THE TREASURY	324	418	777	561	668	1,265	2,261	2,665
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	912,872	873,935	880,546	938,412	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	1,024,155	1,453,875	1,717,310	N/A
ENVIRONMENTAL PROTECTION AGENCY	35,522	82,900	71,282	106,305	72,919	115,946	103,743	90,198
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 46A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	2,769,729	2,335,239	2,392,645	2,266,967	2,156,505	2,129,274	2,223,989	2,497,309
NATIONAL SCIENCE FOUNDATION	14,189	18,656	27,570	15,940	36,157	25,006	13,480	8,719
OFFICE OF ECONOMIC OPPORTUNITY	93,983	70,846	37,384	55,485	-	-	N/A	N/A
VETERANS ADMINISTRATION	850	792	2,030	4,541	6,077	7,667	12,552	14,659
ALL OTHER AGENCIES	38,640	43,699	5,154	5,329	28,655	36,391	25,464	37,288

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 46B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	12,309,110	13,160,326	15,468,858	16,780,533	18,442,741	20,083,020	23,001,175	27,068,176
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	18,138	20,225	22,943	26,798	31,105	30,151	31,601	34,308
FOREST SERVICE	4,925	5,398	4,152	4,964	5,000	5,476	6,000	6,700
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	17,968	21,834	24,918	23,260	24,012	25,772
AGRICULTURAL RESEARCH	13,027	14,527	17,968	21,834	24,918	23,260	24,012	25,772
OTHER AGRICULTURE	186	300	823	-	1,187	1,415	1,589	1,836
DEPARTMENT OF COMMERCE, TOTAL	70,962	73,140	68,592	90,890	89,901	88,116	79,426	59,304
NATIONAL BUREAU OF STANDARDS	8,409	9,914	8,269	9,782	16,000	17,274	17,849	17,977
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	28,304	30,224	29,916	33,530	28,485	30,940	29,814	32,715
OTHER COMMERCE	34,249	33,002	30,407	47,578	45,416	39,902	31,763	8,612
DEPARTMENT OF DEFENSE, TOTAL	7,581,465	8,127,241	9,247,506	9,729,580	10,492,127	11,719,243	14,280,087	18,375,024
DEPARTMENT OF THE ARMY	1,560,370	1,651,258	2,043,873	2,139,117	2,320,064	2,500,732	2,777,137	3,380,752
MILITARY FUNCTIONS	1,554,620	1,638,433	2,035,033	2,127,394	2,310,084	2,488,632	2,765,127	3,367,522
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	5,750	12,825	8,840	11,723	9,980	12,100	12,010	13,230
DEPARTMENT OF THE NAVY	2,693,674	2,890,055	3,320,048	3,472,099	3,767,727	4,095,032	4,360,280	5,249,188
DEPARTMENT OF THE AIR FORCE	3,157,653	3,344,325	3,605,320	3,813,604	4,033,363	4,673,729	6,587,757	8,875,142
DEFENSE AGENCIES	145,903	217,513	248,026	276,200	341,663	411,870	517,944	820,913
OTHER DOD	23,865	24,090	30,239	28,560	29,310	37,880	36,969	49,031
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	72,896	51,797	49,935	42,787
DEPARTMENT OF ENERGY	N/A	N/A	2,644,954	3,142,584	3,506,920	3,476,362	3,519,284	3,069,417
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	472,628	432,830	409,017	466,537	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	-	2,838	1,021	1,409	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	-	-	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 46B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
NATIONAL INSTITUTE OF EDUCATION	65,800	52,918	37,764	54,925	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	275,655	292,555	311,201	348,268	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	40,593	36,781	19,193	19,604	N/A	N/A	N/A	N/A
OTHER HEW	90,580	47,738	39,838	42,333	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	489,211	447,444	434,299	469,863
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	748	-	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	423,022	394,360	394,055	416,771
OTHER HHS	N/A	N/A	N/A	N/A	65,441	53,084	40,244	53,092
DEPT OF HOUSING & URBAN DEVELOPMENT	28,533	30,630	19,384	39,188	44,145	36,424	32,263	30,977
DEPARTMENT OF THE INTERIOR, TOTAL	69,276	73,740	58,740	75,482	66,310	56,812	58,582	44,946
BUREAU OF MINES	54,715	58,000	49,592	56,968	41,904	30,573	31,185	30,161
GEOLOGICAL SURVEY	-	-	-	-	500	500	-	500
OTHER INTERIOR	14,561	15,740	9,148	18,514	23,906	25,739	27,397	14,285
DEPARTMENT OF JUSTICE	25,435	15,542	10,066	15,197	14,145	12,741	10,785	8,595
DEPARTMENT OF LABOR	10,098	10,533	10,838	72,124	94,895	101,621	71,124	7,733
DEPARTMENT OF STATE, TOTAL	5,432	14,246	23,136	36,082	474	250	160	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,938	13,756	22,921	35,712	N/A	N/A	N/A	N/A
OTHER STATE	494	490	215	370	474	250	160	-
DEPARTMENT OF TRANSPORTATION, TOTAL	257,719	263,400	302,844	341,750	303,106	278,785	307,785	312,410
FEDERAL AVIATION ADMINISTRATION	91,455	94,500	98,700	103,700	103,000	94,900	110,600	111,900
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	21,970	21,500	19,500	28,300	26,636	24,939	29,078	34,200
URBAN MASS TRANSPORTATION ADMIN	44,763	46,900	58,900	68,500	56,948	45,493	47,466	48,300
OTHER TRANSPORTATION	99,531	100,500	125,744	141,250	116,522	113,453	120,641	118,010
DEPARTMENT OF THE TREASURY	1,265	2,261	2,665	5,764	4,823	6,346	6,575	6,337
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	1,453,875	1,717,310	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	115,946	103,743	90,198	131,966	151,100	99,900	103,200	87,400
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	39,586	69,658	40,728	52,655

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TABLE 46B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	39,586	69,658	40,728	52,655
NATIONAL AERONAUTICS & SPACE ADMIN	2,129,274	2,223,989	2,497,309	2,530,247	2,959,772	3,474,410	3,853,122	4,363,452
NATIONAL SCIENCE FOUNDATION	25,006	13,480	8,719	5,273	7,900	8,105	4,000	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	7,667	12,552	14,659	14,591	15,642	15,500	16,700	16,000
ALL OTHER AGENCIES	36,391	25,464	37,288	56,480	58,683	109,355	101,519	86,968

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 47A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY PERFORMER: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

PERFORMER	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL	10,438,139	10,419,341	10,948,199	11,218,724	11,234,888	12,309,110	13,160,326	15,468,858
FEDERAL INTRAMURAL 1/	2,175,410	2,340,381	2,604,788	2,673,684	2,640,714	2,890,182	2,889,553	3,146,959
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	6,893,680	6,698,527	6,809,461	6,843,958	6,877,721	7,412,996	8,237,340	9,768,103
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	358,186	404,475	454,582	513,645	494,618	567,951	637,335	920,551
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	199,118	214,403	260,743	225,549	255,690	332,666	302,066	325,353
FFRDC'S ADMINISTERED BY UNIVERSITIES	368,554	369,981	362,118	370,144	415,170	509,584	512,837	658,505
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	214,359	178,772	172,921	262,004	258,061	307,668	273,149	292,333
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	202,340	158,212	155,563	132,820	148,561	155,102	173,540	208,323
STATE AND LOCAL GOVERNMENTS	16,189	45,202	112,935	172,552	123,345	115,711	111,794	122,867
FOREIGN	10,303	11,428	15,088	24,370	21,008	17,272	22,712	27,864

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 47B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY PERFORMER: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL	12,309,110	13,160,326	15,468,858	16,780,533	18,442,741	20,083,020	23,001,175	27,068,176
FEDERAL INTRAMURAL 1/	2,890,182	2,889,553	3,146,959	3,699,190	4,081,699	4,263,130	5,136 081	5,800,904
INDUSTRIAL FIRMS EXCLUDING FFRDC'S	7,412,996	8,237,340	9,768,103	10,158,531	11,080,532	12,344,373	14,285,467	17,723,219
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	567,951	637,335	920,551	1,007,309	1,073,116	1,097,031	1,104,359	1,132,505
UNIVERSITIES & COLLEGES EXCLUDING FFRDC'S	332,666	302,066	325,353	449,570	560,731	577,861	574,784	597,529
FFRDC'S ADMINISTERED BY UNIVERSITIES	509,564	512,837	658,505	610,779	710,398	740,418	793,435	787,441
NONPROFIT INSTITUTIONS EXCLUDING FFRDC'S	307,666	273,149	292,333	413,336	412,971	455,422	416,772	381,778
FFRDC'S ADMIN BY NONPROFIT INSTITUTIONS	155,102	173,540	208,323	248,991	295,382	370,117	454,262	382,119
STATE AND LOCAL GOVERNMENTS	115,711	111,794	122,867	139,583	170,855	114,810	111,392	79,938
FOREIGN	17,272	22,712	27,864	53,244	77,257	120,058	124,623	182,743

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 48A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	2,175,410	2,340,361	2,604,788	2,673,684	2,640,714	2,890,182	2,889,553	3,146,959
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	8,263	11,684	12,280	12,027	12,910	16,944	19,202	20,580
FOREST SERVICE	856	921	2,206	2,338	3,229	4,925	5,398	4,152
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15,665
AGRICULTURAL RESEARCH	7,198	10,544	9,815	9,417	9,445	11,846	13,531	15,665
OTHER AGRICULTURE	209	219	259	272	236	173	273	763
DEPARTMENT OF COMMERCE, TOTAL	11,986	13,226	24,243	24,385	25,695	29,384	31,692	31,047
NATIONAL BUREAU OF STANDARDS	2,215	3,768	4,819	5,669	7,462	8,151	9,682	8,148
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	7,419	6,194	12,727	13,149	16,474	15,022	17,420	18,483
OTHER COMMERCE	2,352	3,264	6,697	5,567	1,759	6,211	4,590	4,416
DEPARTMENT OF DEFENSE, TOTAL	1,585,307	1,662,324	1,858,112	1,943,859	1,921,517	2,080,169	2,173,433	2,321,174
DEPARTMENT OF THE ARMY	407,167	436,272	462,055	505,984	462,475	520,661	526,745	625,160
MILITARY FUNCTIONS	405,159	434,181	457,844	501,890	457,880	515,931	518,013	617,435
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	2,008	2,091	4,211	4,094	4,595	4,730	8,732	7,725
DEPARTMENT OF THE NAVY	527,497	557,606	650,695	671,098	699,129	752,976	797,140	847,114
DEPARTMENT OF THE AIR FORCE	599,685	620,457	698,875	703,888	689,938	726,260	735,995	721,336
DEFENSE AGENCIES	50,958	47,989	46,487	43,078	54,164	61,539	92,169	101,075
OTHER DOD	-	-	-	19,811	15,811	18,733	21,384	26,489
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	110,700
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	21,803	26,612	31,048	41,376	41,484	49,452	52,892	50,676
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	-	-	25	25
HEALTH SERVICES & MENTAL HEALTH ADMIN	6,414	7,516	8,640	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	5,560	9,316	9,800	9,556	7,500
NATIONAL INSTITUTES OF HEALTH	11,610	16,632	20,544	24,290	27,748	31,671	36,426	38,504

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TABLE 48A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OFFICE OF EDUCATION	3,679	2,345	1,724	387	269	48	400	558
OTHER HEW	100	119	140	11,139	4,151	7,933	6,485	4,089
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	3,654	1,545	7,041	6,713	9,837	9,017	4,720	6,156
DEPARTMENT OF THE INTERIOR, TOTAL	14,681	17,413	25,581	33,195	27,374	32,424	39,328	27,275
BUREAU OF MINES	8,713	13,264	18,206	23,516	21,864	25,261	31,241	20,926
GEOLOGICAL SURVEY	-	-	-	2,173	-	-	-	-
OTHER INTERIOR	5,968	4,149	7,375	7,506	5,510	7,163	8,087	6,349
DEPARTMENT OF JUSTICE	738	1,034	1,500	4,584	3,224	4,015	2,656	1,918
DEPARTMENT OF LABOR	3,021	2,734	3,759	1,552	1,888	2,096	1,593	706
DEPARTMENT OF STATE, TOTAL	762	30	10	203	598	1,456	474	473
AGENCY FOR INTERNATIONAL DEVELOPMENT	762	30	10	10	558	1,406	424	458
OTHER STATE	-	-	-	193	40	50	50	15
DEPARTMENT OF TRANSPORTATION, TOTAL	20,434	59,856	35,297	34,948	50,999	42,268	52,294	71,965
FEDERAL AVIATION ADMINISTRATION	5,535	39,025	11,183	10,473	24,803	19,970	21,255	23,902
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	8	2,406	3,716	2,166	2,039	912	819	1,560
URBAN MASS TRANSPORTATION ADMIN	2,613	5,562	9,873	7,827	7,024	6,980	6,362	15,948
OTHER TRANSPORTATION	12,278	12,863	10,525	14,482	17,133	14,406	23,858	30,555
DEPARTMENT OF THE TREASURY	324	418	753	549	668	1,218	2,036	1,600
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	12,692	11,892	11,635	10,233	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	14,062	41,331	52,139	N/A
ENVIRONMENTAL PROTECTION AGENCY	7,486	39,015	20,227	33,398	23,936	77,162	45,010	41,611
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 48A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	470,195	475,053	562,620	518,137	494,442	486,325	387,978	435,694
NATIONAL SCIENCE FOUNDATION	1,200	2,090	1,037	542	621	1,025	813	3
OFFICE OF ECONOMIC OPPORTUNITY	2,200	5,569	3,704	3,077	-	-	N/A	N/A
VETERANS ADMINISTRATION	410	274	1,440	2,687	4,465	5,771	10,818	14,260
ALL OTHER AGENCIES	10,254	9,592	4,501	4,219	6,994	10,125	12,475	11,121

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 48B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	2,890,182	2,889,553	3,146,959	3,699,190	4,081,699	4,263,130	5,136,081	5,800,904
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	16,944	19,202	20,580	19,768	29,023	27,276	28,377	30,666
FOREST SERVICE	4,925	5,398	4,152	4,964	5,000	5,476	6,000	6,700
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	15,665	14,804	22,836	20,703	21,188	22,533
AGRICULTURAL RESEARCH	11,846	13,531	15,665	14,804	22,836	20,703	21,188	22,533
OTHER AGRICULTURE	173	273	763	-	1,187	1,097	1,189	1,433
DEPARTMENT OF COMMERCE, TOTAL	29,384	31,692	31,047	32,170	37,124	42,764	43,604	44,568
NATIONAL BUREAU OF STANDARDS	8,151	9,682	8,148	9,376	11,237	14,291	14,769	15,297
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	15,022	17,420	18,483	19,183	20,988	24,351	24,272	26,059
OTHER COMMERCE	6,211	4,590	4,416	3,611	4,899	4,122	4,563	3,212
DEPARTMENT OF DEFENSE, TOTAL	2,080,169	2,173,433	2,321,174	2,597,136	2,903,987	2,946,097	3,693,367	4,544,760
DEPARTMENT OF THE ARMY	520,661	526,745	625,160	649,454	785,985	817 `95	963,213	1,152,953
MILITARY FUNCTIONS	515,931	518,013	617,435	639,588	777,441	807,061	953,433	1,142,184
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	4,730	8,732	7,725	9,866	8,544	10,234	9,780	10,769
DEPARTMENT OF THE NAVY	752,976	797,140	847,114	898,857	1,058,833	1,037,921	1,182,531	1,233,106
DEPARTMENT OF THE AIR FORCE	726,260	735,995	721,336	915,541	899,994	897,967	1,320,176	1,774,915
DEFENSE AGENCIES	61,539	92,169	101,075	109,657	135,120	159,943	194,880	340,327
OTHER DOD	18,733	21,384	26,489	23,627	24,055	32,971	32,567	43,459
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	9,928	1,639	1,445	400
DEPARTMENT OF ENERGY	N/A	N/A	110,700	274,765	308,588	392,827	449,044	273,427
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	49,452	52,892	50,676	63,060	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	-	25	25	164	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	9,800	9,556	7,500	9,578	N/A	N/A	N/A	N/A

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TABLE 48B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
NATIONAL INSTITUTES OF HEALTH	31,671	36,426	38,504	47,395	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	48	400	558	1,200	N/A	N/A	N/A	N/A
OTHER HEW	7,933	6,485	4,089	4,723	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	46,976	71,205	71,406	72,234
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	25	-	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	40,464	65,732	64,959	68,767
OTHER HHS	N/A	N/A	N/A	N/A	6,487	5,473	6,447	3,467
DEPT OF HOUSING & URBAN DEVELOPMENT	9,017	4,720	6,156	14,029	11,818	868	768	737
DEPARTMENT OF THE INTERIOR, TOTAL	32,424	39,328	27,275	15,982	30,195	22,626	23,858	22,200
BUREAU OF MINES	25,261	31,241	20,926	9,068	15,271	8,328	9,000	9,000
GEOLOGICAL SURVEY	-	-	-	-	500	10	-	10
OTHER INTERIOR	7,163	8,087	6,349	6,914	14,424	14,288	14,858	13,190
DEPARTMENT OF JUSTICE	4,015	2,656	1,918	2,992	2,053	1,760	1,348	1,087
DEPARTMENT OF LABOR	2,096	1,593	706	2,472	4,195	2,171	1,723	609
DEPARTMENT OF STATE, TOTAL	1,456	474	473	988	134	70	45	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	1,406	424	458	978	N/A	N/A	N/A	N/A
OTHER STATE	50	50	15	10	134	70	45	-
DEPARTMENT OF TRANSPORTATION, TOTAL	42,268	52,294	71,965	87,514	88,556	84,820	93,186	96,124
FEDERAL AVIATION ADMINISTRATION	19,970	21,255	23,902	25,243	24,720	22,776	26,544	26,856
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	912	819	1,560	2,335	5,745	1,105	1,291	1,520
URBAN MASS TRANSPORTATION ADMIN	6,980	6,362	15,948	17,242	24,056	25,868	27,000	28,000
OTHER TRANSPORTATION	14,406	23,858	30,555	42,694	34,035	35,071	38,351	39,748
DEPARTMENT OF THE TREASURY	1,218	2,036	1,600	2,214	795	948	1,920	2,496
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	41,331	52,139	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	77,162	45,010	41,611	44,665	55,980	38,790	40,733	25,708
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	1,310	230	50	250

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TABLE 48B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INTRAMURAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	1,310	230	50	250
NATIONAL AERONAUTICS & SPACE ADMIN	486,325	387,978	435,694	510,523	515,754	551,637	599,437	602,993
NATIONAL SCIENCE FOUNDATION	1,025	813	3	26	124	64	60	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	5,771	10,818	14,260	13,715	13,218	14,322	15,423	14,717
ALL OTHER AGENCIES	10,125	12,475	11,121	17,171	21,941	63,018	70,287	67,928

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 49A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	6,893,680	6,898,527	6,809,461	6,843,958	6,877,721	7,412,996	8,237,340	9,768,103
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	726	79	12	37	139	256	139	1,069
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,069
AGRICULTURAL RESEARCH	726	79	12	37	139	258	139	1,069
DEPARTMENT OF COMMERCE, TOTAL	11,358	14,034	12,769	23,490	22,324	21,953	17,199	17,240
NATIONAL BUREAU OF STANDARDS	-	62	-	78	56	165	99	81
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	2,878	6,043	10,130	10,692	5,196	6,913	5,477	7,252
OTHER COMMERCE	8,480	7,929	2,639	12,720	17,072	14,875	11,623	9,907
DEPARTMENT OF DEFENSE, TOTAL	4,104,854	4,213,936	4,621,182	4,690,390	4,717,513	5,135,932	5,504,596	6,404,774
DEPARTMENT OF THE ARMY	871,340	877,817	1,175,960	1,083,527	1,149,047	1,009,000	1,096,125	1,376,538
MILITARY FUNCTIONS	871,340	877,817	1,175,860	1,083,327	1,148,797	1,008,842	1,094,586	1,375,706
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	100	200	250	158	1,539	832
DEPARTMENT OF THE NAVY	1,293,262	1,296,447	1,383,418	1,496,062	1,483,149	1,803,487	1,880,795	2,215,138
DEPARTMENT OF THE AIR FORCE	1,884,093	1,992,078	2,040,709	2,052,791	2,016,931	2,247,222	2,418,139	2,673,032
DEFENSE AGENCIES	56,159	47,594	41,095	54,651	62,158	73,047	108,524	138,248
OTHER DOD	-	-	-	3,359	6,228	3,176	1,013	1,818
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,128,701
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	16,130	24,456	33,597	37,050	59,272	48,534	54,767	51,295
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	-	-	-	2,813	996
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	40	-	-	-	-
HEALTH SERVICES & MENTAL HEALTH ADMIN	2,182	4,487	4,336	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	1,314	3,919	2,611	3,288	3,827
NATIONAL INSTITUTES OF HEALTH	13,221	18,413	27,011	29,789	41,593	39,691	41,869	40,227
OFFICE OF EDUCATION	727	1,477	2,250	404	3,315	952	649	732

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TABLE 49A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER HEW	-	99	-	5,503	10,445	5,280	6,148	5,513
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	15,076	33,099	10,561	19,322	9,454	10,060	11,989	4,295
DEPARTMENT OF THE INTERIOR, TOTAL	18,881	28,574	36,854	33,349	20,062	32,099	29,472	26,374
BUREAU OF MINES	3,850	6,785	11,651	12,350	13,344	26,073	22,358	24,059
GEOLOGICAL SURVEY	-	-	-	1,542	-	-	-	-
OTHER INTERIOR	15,031	21,789	25,203	19,457	6,718	6,026	7,114	2,315
DEPARTMENT OF JUSTICE	797	955	2,915	645	3,351	1,362	1,934	4,085
DEPARTMENT OF LABOR	805	832	735	684	445	1,607	1,602	3,156
DEPARTMENT OF STATE, TOTAL	110	-	323	546	437	1,202	706	1,224
AGENCY FOR INTERNATIONAL DEVELOPMENT	110	-	323	-	65	758	266	1,024
OTHER STATE	-	-	-	546	372	444	440	200
DEPARTMENT OF TRANSPORTATION, TOTAL	218,025	323,607	146,439	138,405	175,647	135,344	144,379	141,156
FEDERAL AVIATION ADMINISTRATION	39,669	286,187	59,906	44,356	72,125	57,698	61,444	63,651
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	3,592	9,003	13,006	15,038	18,548	8,308	5,934	3,753
URBAN MASS TRANSPORTATION ADMIN	8,853	13,540	32,274	37,152	40,479	28,674	30,229	26,332
OTHER TRANSPORTATION	165,911	14,877	41,253	41,859	44,495	40,664	46,772	47,420
DEPARTMENT OF THE TREASURY	-	-	24	12	-	47	225	410
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	296,472	262,573	213,697	196,655	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	257,847	441,754	703,812	N/A
ENVIRONMENTAL PROTECTION AGENCY	21,846	35,093	29,149	32,521	27,300	23,345	31,250	21,307
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 49A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
NATIONAL AERONAUTICS & SPACE ADMIN	2,158,298	1,724,554	1,697,384	1,670,085	1,574,073	1,554,895	1,732,039	1,960,067
NATIONAL SCIENCE FOUNDATION	-	-	1,202	315	720	2,289	859	626
OFFICE OF ECONOMIC OPPORTUNITY	2,072	2,753	2,167	-	-	-	N/A	N/A
VETERANS ADMINISTRATION	215	229	198	316	277	321	490	146
ALL OTHER AGENCIES	28,015	33,753	253	134	8,860	1,996	1,882	2,178

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 49B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	7,412,996	8,237,340	9,768,103	10,158,531	11,060,532	12,344,373	14,285,467	17,723,219
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	256	139	1,069	1,115	292	367	553	590
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	1,069	1,115	292	367	553	590
AGRICULTURAL RESEARCH	256	139	1,069	1,115	292	367	553	590
DEPARTMENT OF COMMERCE, TOTAL	21,953	17,199	17,240	22,236	18,740	14,299	13,030	11,168
NATIONAL BUREAU OF STANDARDS	165	99	81	381	4,283	2,730	2,800	2,400
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	6,913	5,477	7,252	9,333	6,010	2,883	3,430	3,768
OTHER COMMERCE	14,875	11,623	9,907	12,522	8,447	8,686	6,800	5,000
DEPARTMENT OF DEFENSE, TOTAL	5,135,932	5,504,598	6,404,774	6,608,255	6,944,719	8,052,834	9,771,943	12,853,501
DEPARTMENT OF THE ARMY	1,009,000	1,096,125	1,376,538	1,441,939	1,475,825	1,637,118	1,763,223	2,179,164
MILITARY FUNCTIONS	1,008,842	1,094,586	1,375,706	1,441,179	1,475,319	1,636,212	1,762,076	2,177,808
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	158	1,539	832	760	506	906	1,147	1,356
DEPARTMENT OF THE NAVY	1,803,487	1,880,795	2,215,138	2,327,117	2,418,565	2,785,291	2,914,906	3,708,201
DEPARTMENT OF THE AIR FORCE	2,247,222	2,418,139	2,673,032	2,680,388	2,852,767	3,401,820	4,795,228	6,515,627
DEFENSE AGENCIES	73,047	108,524	138,248	156,064	195,006	227,208	297,086	448,509
OTHER DOD	3,176	1,013	1,818	2,747	2,556	1,397	1,500	2,000
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	5,745	4,924	4,500	3,750
DEPARTMENT OF ENERGY	N/A	N/A	1,128,701	1,277,247	1,479,672	1,312,148	1,204,201	1,166,062
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	48,534	54,767	51,295	55,230	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	-	2,813	996	1,245	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	-	-	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	2,611	3,288	3,827	5,974	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	39,691	41,869	40,227	40,402	N/A	N/A	N/A	N/A

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TABLE 49B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OFFICE OF EDUCATION	952	649	732	2,228	N/A	N/A	N/A	N/A
OTHER HEW	5,280	6,148	5,513	5,381	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	38,882	50,422	49,784	49,141
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	35,987	42,994	43,146	45,428
OTHER HHS	N/A	N/A	N/A	N/A	2,895	7,428	6,638	3,713
DEPT OF HOUSING & URBAN DEVELOPMENT	10,060	11,989	4,295	11,600	17,901	16,607	14,709	14,122
DEPARTMENT OF THE INTERIOR, TOTAL	32,099	29,472	26,374	52,160	26,994	26,409	27,077	14,948
BUREAU OF MINES	26,073	22,358	24,059	40,676	18,565	15,385	15,285	14,261
GEOLOGICAL SURVEY	-	-	-	-	-	490	-	490
OTHER INTERIOR	6,026	7,114	2,315	11,484	8,429	10,534	11,792	195
DEPARTMENT OF JUSTICE	1,362	1,934	4,085	4,724	4,095	4,271	3,600	4,053
DEPARTMENT OF LABOR	1,607	1,602	3,156	3,355	11,269	9,430	2,743	1,585
DEPARTMENT OF STATE, TOTAL	1,202	706	1,224	4,873	340	180	115	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	758	266	1,024	4,528	N/A	N/A	N/A	N/A
OTHER STATE	444	440	200	345	340	180	115	-
DEPARTMENT OF TRANSPORTATION, TOTAL	135,344	144,379	141,156	160,220	149,859	122,567	136,486	137,513
FEDERAL AVIATION ADMINISTRATION	57,698	61,444	63,651	67,227	68,918	59,786	69,677	70,497
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	8,308	5,934	3,753	5,618	14,700	16,413	19,136	22,506
URBAN MASS TRANSPORTATION ADMIN	28,674	30,229	26,332	30,267	23,560	7,286	7,400	7,500
OTHER TRANSPORTATION	40,664	46,772	47,420	57,108	42,681	39,082	40,273	37,010
DEPARTMENT OF THE TREASURY	47	225	410	1,959	2,943	3,652	4,313	3,326
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	441,754	703,812	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	23,345	31,250	21,307	41,244	47,530	24,320	22,904	22,954
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	2,851	1,967	862	1,215

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TABLE 49B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY INDUSTRIAL PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	2,851	1,987	862	1,215
NATIONAL AERONAUTICS & SPACE ADMIN	1,554,895	1,732,039	1,960,067	1,910,776	2,305,884	2,697,810	3,027,078	3,438,453
NATIONAL SCIENCE FOUNDATION	2,289	859	626	210	-	-	191	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	321	490	148	-	-	-	-	-
ALL OTHER AGENCIES	1,996	1,882	2,178	3,327	2,816	2,166	1,378	842

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 50A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	199,118	214,403	280,743	225,549	255,690	332,668	302,066	325,353
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	119	134	79	75	362	493	484	1,124
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,064
AGRICULTURAL RESEARCH	119	134	79	75	362	480	457	1,064
OTHER AGRICULTURE	-	-	-	-	-	13	27	60
DEPARTMENT OF COMMERCE, TOTAL	1,312	1,152	2,290	940	910	5,544	8,678	8,993
NATIONAL BUREAU OF STANDARDS	-	-	3	37	17	44	25	40
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	108	654	1,061	150	301	4,159	4,808	4,076
OTHER COMMERCE	1,204	498	1,226	753	592	1,341	3,845	4,877
DEPARTMENT OF DEFENSE, TOTAL	43,754	26,927	40,130	43,164	30,366	38,450	48,950	52,422
DEPARTMENT OF THE ARMY	6,539	2,303	5,293	4,654	3,802	1,328	9,044	12,758
MILITARY FUNCTIONS	6,520	2,285	5,238	3,896	2,947	466	6,490	12,507
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	19	18	55	758	855	862	2,554	251
DEPARTMENT OF THE NAVY	20,388	7,447	20,489	25,263	2,950	2,537	2,550	3,049
DEPARTMENT OF THE AIR FORCE	15,012	15,633	12,813	11,437	21,272	32,261	33,443	36,053
DEFENSE AGENCIES	1,815	1,544	1,535	1,810	2,342	2,324	3,913	562
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	54,254
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	60,436	90,755	109,447	122,332	151,646	202,530	164,540	155,087
CENTERS FOR DISEASE CONTROL	N/A	N/A	N/A	182	-	-	-	-
HEALTH SERVICES & MENTAL HEALTH ADMIN	12,097	14,571	12,902	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	29,084	14,832	14,263	13,986	6,180
NATIONAL INSTITUTES OF HEALTH	37,320	52,749	78,822	76,883	103,477	117,993	124,787	130,646
OFFICE OF EDUCATION	9,478	20,887	13,824	4,381	6,602	7,261	11,971	6,291
OTHER HEW	1,541	2,548	3,899	11,802	26,735	63,013	13,796	11,970

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TABLE 50A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	510	-	450	608	804	810	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	583	766	3,726	1,744	371	2,824	3,492	3,912
BUREAU OF MINES	-	-	-	-	-	2,600	3,264	3,692
OTHER INTERIOR	583	766	3,726	1,744	371	224	228	220
DEPARTMENT OF JUSTICE	103	573	310	839	550	971	432	878
DEPARTMENT OF LABOR	2,013	2,068	2,352	2,840	2,987	1,988	2,200	2,885
DEPARTMENT OF STATE, TOTAL	2,962	765	445	841	2,217	776	2,137	5,855
AGENCY FOR INTERNATIONAL DEVELOPMENT	2,960	765	445	841	2,217	776	2,137	5,855
OTHER STATE	2	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	340	1,776	5,718	9,196	17,555	22,883	12,349	17,570
FEDERAL AVIATION ADMINISTRATION	-	-	-	828	630	2,877	570	1,100
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	500	-	1,764	2,163	1,270	1,794	1,800
URBAN MASS TRANSPORTATION ADMIN	262	1,129	4,676	2,979	2,250	2,204	600	2,000
OTHER TRANSPORTATION	78	147	1,042	3,625	12,512	16,532	9,385	12,670
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	150
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	3,742	4,257	3,468	4,033	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	8,293	19,737	28,786	N/A
ENVIRONMENTAL PROTECTION AGENCY	3,261	900	1,200	300	750	2,100	-	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	65,826	63,730	70,756	30,930	13,945	17,329	21,050	15,869
NATIONAL SCIENCE FOUNDATION	4,711	12,919	16,418	4,205	20,430	15,093	7,828	6,206

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TABLE 50A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
OTHER AGENCIES								
OFFICE OF ECONOMIC OPPORTUNITY	9,271	7,438	3,704	2,543	-	-	N/A	N/A
VETERANS ADMINISTRATION	175	233	250	1,150	983	1,112	1,049	148
ALL OTHER AGENCIES	-	10	-	9	3,541	26	91	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 50B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	332,666	302,066	325,353	449,570	560,731	577,861	574,784	597,529
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	493	484	1,124	4,951	1,672	1,963	2,078	2,521
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	1,064	4,951	1,672	1,963	2,078	2,521
AGRICULTURAL RESEARCH	480	457	1,064	4,951	1,672	1,963	2,078	2,521
OTHER AGRICULTURE	13	27	60	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	5,544	8,678	8,993	10,083	4,988	7,089	4,336	2,635
NATIONAL BUREAU OF STANDARDS	44	25	40	-	305	253	280	280
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	4,159	4,808	4,076	4,853	1,083	3,228	1,756	2,255
OTHER COMMERCE	1,341	3,845	4,877	5,230	3,600	3,608	2,300	100
DEPARTMENT OF DEFENSE, TOTAL	38,450	48,950	52,422	140,433	166,912	182,624	207,334	255,579
DEPARTMENT OF THE ARMY	1,328	9,044	12,758	12,125	12,308	10,702	6,453	4,335
MILITARY FUNCTIONS	466	6,490	12,507	11,217	11,438	9,842	5,464	3,330
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	862	2,554	251	908	870	860	989	1,005
DEPARTMENT OF THE NAVY	2,537	2,550	3,049	88,472	97,418	93,784	93,095	106,166
DEPARTMENT OF THE AIR FORCE	32,261	33,443	36,053	38,136	55,496	74,792	105,404	142,002
DEFENSE AGENCIES	2,324	3,913	562	1,700	1,690	3,346	2,382	3,076
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	22,131	22,437	21,428	19,080
DEPARTMENT OF ENERGY	N/A	N/A	54,254	65,314	56,336	60,880	55,585	37,495
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	202,530	164,540	155,087	180,041	N/A	N/A	N/A	N/A
CENTERS FOR DISEASE CONTROL	-	-	-	-	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	14,263	13,986	6,180	12,691	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	117,993	124,787	130,646	150,400	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	7,261	11,971	6,291	5,669	N/A	N/A	N/A	N/A

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TABLE 50B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER HEW	63,013	13,796	11,970	11,281	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	235,479	189,424	186,645	187,952
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	223,291	176,903	176,930	185,694
OTHER HHS	N/A	N/A	N/A	N/A	12,188	12,521	9,715	2,258
DEPT OF HOUSING & URBAN DEVELOPMENT	810	-	-	-	3,206	4,323	3,830	3,677
DEPARTMENT OF THE INTERIOR, TOTAL	2,824	3,492	3,912	5,198	5,404	4,362	4,447	4,370
BUREAU OF MINES	2,600	3,264	3,692	5,082	5,066	3,675	3,700	3,700
OTHER INTERIOR	224	228	220	116	338	687	747	670
DEPARTMENT OF JUSTICE	971	432	878	1,545	1,942	640	766	140
DEPARTMENT OF LABOR	1,988	2,200	2,885	2,716	6,609	8,425	6,672	747
DEPARTMENT OF STATE, TOTAL	776	2,137	5,855	3,015	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	776	2,137	5,855	3,000	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	15	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	22,883	12,349	17,570	17,300	16,201	19,966	21,392	21,691
FEDERAL AVIATION ADMINISTRATION	2,877	570	1,100	600	100	244	284	287
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	1,270	1,794	1,800	1,800	1,330	1,865	2,174	2,557
URBAN MASS TRANSPORTATION ADMIN	2,204	600	2,000	2,000	2,838	6,135	6,200	6,300
OTHER TRANSPORTATION	16,532	9,385	12,670	12,900	11,933	11 722	12,734	12,547
DEPARTMENT OF THE TREASURY	-	-	150	55	118	138	46	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	19,737	28,786	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	2,100	-	-	1,450	3,380	1,195	3,319	1,088
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	10,384	42,561	21,979	27,245
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	10,384	42,561	21,979	27,245

CONTINUED ON NEXT PAGE

TABLE 50B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES	
							1981	1982
OTHER AGENCIES								
NATIONAL AERONAUTICS & SPACE ADMIN	17,329	21,050	15,869	13,878	18,665	25,069	30,000	32,000
NATIONAL SCIENCE FOUNDATION	15,093	7,828	6,206	3,006	4,455	4,884	2,758	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION	1,112	1,049	148	570	2,346	1,178	1,277	1,283
ALL OTHER AGENCIES	26	91	-	15	503	703	892	26

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 51A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	214,359	176,772	172,921	262,004	258,061	307,666	273,149	292,333
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	124	17	33	19	20	11	16	11
SCIFNCE & EDUCATION ADMINISTRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11
AGRICULTURAL RESEARCH	124	17	33	19	20	11	16	11
DEPARTMENT OF COMMERCE, TOTAL	290	215	1,304	3,604	595	7,226	6,120	5,411
NATIONAL BUREAU OF STANDARDS	-	-	-	43	15	49	108	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	108	134	250	269	-	131	255	75
OTHER COMMERCE	182	81	1,054	3,292	580	7,046	5,757	5,336
DEPARTMENT OF DEFENSE, TOTAL	51,845	50,891	60,665	52,278	69,909	77,410	67,548	69,308
DEPARTMENT OF THE ARMY	16,167	15,713	19,934	15,189	8,902	7,736	4,485	10,[illegible]38
MILITARY FUNCTIONS	16,167	15,713	19,934	15,189	8,902	7,736	4,485	10,788
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	6,302	4,946	5,793	4,949	51,093	55,843	49,120	47,345
DEPARTMENT OF THE AIR FORCE	26,654	27,916	32,032	29,166	5,749	9,473	6,689	9,374
DEFENSE AGENCIES	2,722	2,316	2,906	2,974	4,165	4,358	7,254	1,801
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20,043
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	44,174	50,199	55,391	111,193	125,318	111,512	105,821	108,746
HEALTH SERVICES & MENTAL HEALTH ADMIN	7,335	13,318	12,907	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	N/A	N/A	-	37,122	34,293	32,508	19,905	16,787
NATIONAL INSTITUTES OF HEALTH	23,261	30,348	35,302	40,615	59,996	64,211	68,876	76,855
OFFICE OF EDUCATION	12,253	4,991	5,125	5,232	5,020	3,970	2,398	2,445
OTHER HEW	1,325	1,542	2,057	28,224	26,009	10,823	14,642	12,659
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 51A. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HHS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	2,057	274	2,081	5,347	5,460	3,648	7,662	6,787
DEPARTMENT OF THE INTERIOR, TOTAL	1,068	2,585	3,460	13,878	361	-	-	-
BUREAU OF MINES	-	661	322	187	361	-	-	-
OTHER INTERIOR	1,068	1,924	3,138	13,691	-	-	-	-
DEPARTMENT OF JUSTICE	481	444	54	3,680	3,511	15,196	728	1,421
DEPARTMENT OF LABOR	2,335	2,398	1,911	715	578	3,266	3,989	3,749
DEPARTMENT OF STATE, TOTAL	3,081	255	92	-	1,072	931	4,104	14,275
AGENCY FOR INTERNATIONAL DEVELOPMENT	3,081	255	92	-	1,072	931	4,104	14,275
DEPARTMENT OF TRANSPORTATION, TOTAL	105	394	2,124	3,486	3,490	2,290	2,518	3,024
FEDERAL AVIATION ADMINISTRATION	-	-	-	579	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	1,514	1,547	1,973	948	1,047	1,827
URBAN MASS TRANSPORTATION ADMIN	65	292	331	54	460	255	232	-
OTHER TRANSPORTATION	40	102	279	1,306	1,057	1,089	1,237	1,197
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	4,871	3,683	2,095	1,197	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	16,095	37,598	25,558	N/A
ENVIRONMENTAL PROTECTION AGENCY	1,681	733	3,456	7,277	9,758	8,311	12,988	14,342
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	13,519	7,202	4,952	1,790	3,759	12,602	23,090	20,964
NATIONAL SCIENCE FOUNDATION	8,238	2,062	7,352	7,245	11,386	8,599	3,454	1,884
OFFICE OF ECONOMIC OPPORTUNITY	80,440	55,051	27,809	49,865	-	-	N/A	N/A
VETERANS ADMINISTRATION	50	58	142	363	347	438	195	86
ALL OTHER AGENCIES	-	313	-	67	6,402	22,628	9,360	22,282

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 51B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	307,688	273,149	292,333	413,336	412,971	455,422	418,772	381,778
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	11	16	11	11	10	13	20	21
SCIENCE & EDUCATION ADMINISTRATION	N/A	N/A	11	11	10	13	20	21
AGRICULTURAL RESEARCH	11	16	11	11	10	13	20	21
DEPARTMENT OF COMMERCE, TOTAL	7,226	6,120	5,411	15,700	14,288	10,967	7,158	235
NATIONAL BUREAU OF STANDARDS	49	108	-	25	97	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	131	255	75	92	296	367	358	235
OTHER COMMERCE	7,046	5,757	5,336	15,583	13,895	10,600	6,800	-
DEPARTMENT OF DEFENSE, TOTAL	77,410	67,548	69,308	67,194	59,792	67,663	78,401	85,345
DEPARTMENT OF THE ARMY	7,736	4,485	10,788	11,973	9,695	7,432	10,975	6,710
MILITARY FUNCTIONS	7,736	4,485	10,788	11,935	9,672	7,382	10,928	6,660
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	38	27	50	47	50
DEPARTMENT OF THE NAVY	55,843	49,120	47,345	46,178	32,491	31,456	28,692	27,055
DEPARTMENT OF THE AIR FORCE	9,473	6,689	9,374	7,246	15,166	21,931	34,915	47,038
DEFENSE AGENCIES	4,358	7,254	1,801	1,797	2,436	3,844	3,819	4,542
DEPARTMENT OF EDUCATION	N/A	N/A	N/A	N/A	30,792	21,062	20,812	18,057
DEPARTMENT OF ENERGY	N/A	N/A	20,043	26,026	24,348	21,795	22,329	12,862
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	111,512	105,821	108,746	124,436	N/A	N/A	N/A	N/A
HEALTH SERVICES & MENTAL HEALTH ADMIN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTE OF EDUCATION	32,508	19,905	16,787	22,036	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	64,211	68,876	76,855	85,081	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	3,970	2,398	2,445	2,522	N/A	N/A	N/A	N/A
OTHER HEW	10,823	14,642	12,659	14,797	N/A	N/A	N/A	N/A

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TABLE 51B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	134,784	102,406	94,716	127,707
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	723	-	-	-
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	101,613	81,346	81,275	85,813
OTHER HHS	N/A	N/A	N/A	N/A	32,448	21,060	13,441	41,894
DEPT OF HOUSING & URBAN DEVELOPMENT	3,648	7,662	6,787	11,756	10,189	13,675	12,115	11,632
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	1,692	2,682	2,360	2,400	2,400
BUREAU OF MINES	-	-	-	1,692	2,325	2,360	2,400	2,400
OTHER INTERIOR	-	-	-	-	357	-	-	-
DEPARTMENT OF JUSTICE	15,196	728	1,421	3,600	5,098	4,209	3,561	1,465
DEPARTMENT OF LABOR	3,266	3,989	3,749	63,400	12,299	76,255	57,343	1,173
DEPARTMENT OF STATE, TOTAL	931	4,104	14,275	8,130	-	-	-	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	931	4,104	14,275	8,130	N/A	N/A	N/A	N/A
DEPARTMENT OF TRANSPORTATION, TOTAL	2,290	2,516	3,024	4,172	13,710	12,389	14,285	14,571
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	9,262	8,794	10,249	10,369
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	946	1,047	1,827	2,735	1,245	1,847	2,153	2,532
URBAN MASS TRANSPORTATION ADMIN	255	232	-	-	2,094	599	650	650
OTHER TRANSPORTATION	1,089	1,237	1,197	1,437	1,109	1,149	1,233	1,020
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	37,598	25,558	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	6,311	12,988	14,342	23,718	25,670	19,355	15,713	18,600
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	11,796	5,728	1,547	3,640
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	11,796	5,728	1,547	3,640
NATIONAL AERONAUTICS & SPACE ADMIN	12,602	23,090	20,964	28,007	32,364	52,551	58,288	65,980
NATIONAL SCIENCE FOUNDATION	6,599	3,454	1,884	2,031	3,321	3,157	296	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TABLE 51B. FEDERAL OBLIGATIONS FOR DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
OTHER AGENCIES								
VETERANS ADMINISTRATION	438	195	88	306	78	-	-	-
ALL OTHER AGENCIES	22,628	9,360	22,282	33,157	31,750	41,837	27,790	18,090

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 52A. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	358,186	404,475	454,582	513,645	494,618	567,951	637,335	920,551
DEPARTMENT OF DEFENSE, TOTAL	11,235	4,891	2,000	500	555	128	81,167	108,973
DEPARTMENT OF THE ARMY	-	-	-	-	104	128	153	210
MILITARY FUNCTIONS	-	-	-	-	104	128	153	210
DEPARTMENT OF THE NAVY	-	-	-	-	-	-	81,014	108,763
DEFENSE AGENCIES	11,235	4,891	2,000	-	-	-	-	-
OTHER DOD	-	-	-	500	451	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	804,209
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	-	-	-	-	-	5,160	6,198	7,263
NATIONAL INSTITUTES OF HEALTH	-	-	-	-	-	5,160	6,198	7,263
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	300	-	600	350	980	498	589	-
DEPARTMENT OF THE INTERIOR, TOTAL	997	1,098	752	696	-	-	-	-
OTHER INTERIOR	997	1,098	752	696	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	343,016	396,057	450,571	511,905	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	492,781	562,163	549,381	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	2,638	2,429	240	194	302	2	-	-
NATIONAL SCIENCE FOUNDATION	-	-	419	-	-	-	-	-
ALL OTHER AGENCIES	-	-	-	-	-	-	-	106

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 52B. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY INDUSTRIAL FIRMS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	567,951	637,335	920,551	1,007,309	1,073,116	1,097,031	1,104,359	1,132,505
DEPARTMENT OF DEFENSE, TOTAL	128	81,167	108,973	97,670	112,386	88,035	100,501	133,320
DEPARTMENT OF THE ARMY	128	153	210	103	695	1,534	3,703	3,320
MILITARY FUNCTIONS	128	153	210	103	695	1,534	3,703	3,320
DEPARTMENT OF THE NAVY	-	81,014	108,763	97,567	111,691	86,501	96,798	130,000
DEFENSE AGENCIES	-	-	-	-	-	-	-	-
OTHER DOD	-	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	804,209	903,347	954,900	997,780	992,724	986,515
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	5,160	6,198	7,263	6,292	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	5,160	6,198	7,263	6,292	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	5,830	11,216	11,134	12,670
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	5,830	11,216	11,134	12,670
DEPT OF HOUSING & URBAN DEVELOPMENT	498	589	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	-	-	-	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	562,163	549,381	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	2	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	-	-	-	-	-	-	-	-
ALL OTHER AGENCIES	-	-	106	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 53A. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	368,554	369,981	362,118	370,144	415,170	509,564	512,837	656,505
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	-	451	67
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	-	-	30
OTHER COMMERCE	-	-	-	-	-	-	451	37
DEPARTMENT OF DEFENSE, TOTAL	101,094	113,147	107,823	108,258	113,201	115,987	113,000	134,780
DEPARTMENT OF THE ARMY	23,632	28,298	14,746	20,285	10,306	18,700	12,418	14,017
MILITARY FUNCTIONS	23,532	28,298	14,746	20,285	10,306	18,700	12,418	14,017
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	100	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	51,071	59,592	67,611	57,324	71,182	69,441	70,629	90,814
DEPARTMENT OF THE AIR FORCE	26,170	25,257	25,216	29,516	30,749	26,056	27,870	28,387
DEFENSE AGENCIES	221	-	250	1,133	964	1,790	2,083	1,762
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	455,993
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	3,098	2,080	4,962	157	511	922	1,007	908
NATIONAL INSTITUTES OF HEALTH	98	64	107	157	511	665	838	908
OFFICE OF EDUCATION	3,000	2,016	4,855	-	-	257	169	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	-	213	661	-
BUREAU OF MINES	-	-	-	-	-	213	661	-
OTHER INTERIOR	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE	-	-	-	-	280	-	-	-
DEPARTMENT OF LABOR	-	-	-	-	-	329	166	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,308	5,890	-	3,613	3,301	2,529	2,344	719

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TABLE 53A. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FEDERAL AVIATION ADMINISTRATION	-	-	-	-	2,040	1,640	1,425	200
URBAN MASS TRANSPORTATION ADMIN	1,308	5,890	-	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	3,813	1,261	889	919	519
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	203,312	187,563	194,920	209,540	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	229,323	332,576	336,701	N/A
ENVIRONMENTAL PROTECTION AGENCY	1,048	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	58,694	61,171	53,932	44,943	68,298	56,991	58,507	64,038
NATIONAL SCIENCE FOUNDATION	-	110	481	3,633	256	-	-	-
ALL OTHER AGENCIES	-	-	-	-	-	17	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 53B. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	509,564	512,837	658,505	610,779	710,398	740,418	793,435	787,441
DEPARTMENT OF COMMERCE, TOTAL	-	451	67	35	108	108	-	400
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	30	35	108	108	-	400
OTHER COMMERCE	-	451	37	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	115,987	113,000	134,780	31,894	55,868	93,814	92,586	117,039
DEPARTMENT OF THE ARMY	18,700	12,418	14,017	14,517	17,399	18,896	21,548	24,189
MILITARY FUNCTIONS	18,700	12,418	14,017	14,517	17,399	18,896	21,548	24,189
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	69,441	70,629	90,614	5,010	9,807	14,267	3,550	14,199
DEPARTMENT OF THE AIR FORCE	26,056	27,870	28,387	11,982	28,662	60,651	67,488	78,651
DEFENSE AGENCIES	1,790	2,083	1,762	385	-	-	-	-
DEPARTMENT OF ENERGY	N/A	N/A	455,993	513,439	570,778	533,325	605,591	558,462
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	922	1,007	908	1,226	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	665	838	908	1,226	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	257	169	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	2,121	1,046	1,182	1,520
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,121	1,046	1,182	1,520
DEPARTMENT OF THE INTERIOR, TOTAL	213	661	-	198	425	200	200	200
BUREAU OF MINES	213	661	-	198	144	200	200	200
OTHER INTERIOR	-	-	-	-	281	-	-	-
DEPARTMENT OF JUSTICE	-	-	-	-	-	-	-	-
DEPARTMENT OF LABOR	329	166	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	2,529	2,344	719	2'0	340	3,710	4,348	4,391

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TABLE 53B. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
FEDERAL AVIATION ADMINISTRATION	1,640	1,425	200	210	-	3,300	3,846	3,891
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	340	410	500	500
OTHER TRANSPORTATION	889	919	519	-	-	-	-	-
DEPARTMENT OF THE TREASURY	-	-	-	-	27	22	-	-
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	332,576	336,701	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	56,991	58,507	64,038	63,779	80,636	108,193	89,530	105,429
NATIONAL SCIENCE FOUNDATION	-	-	-	-	-	-	-	-
ALL OTHER AGENCIES	17	-	-	-	95	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 54A. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL AGENCIES	202,340	158,212	155,563	132,820	148,561	155,102	173,540	208,323
DEPARTMENT OF COMMERCE, TOTAL	-	-	-	-	-	-	282	223
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	-	-	34	-
OTHER COMMERCE	-	-	-	-	-	-	248	223
DEPARTMENT OF DEFENSE, TOTAL	126,960	119,972	116,410	115,058	121,842	125,656	132,213	148,280
DEPARTMENT OF THE ARMY	11,146	8,302	10,529	4,545	4,696	1,566	2,080	4,063
MILITARY FUNCTIONS	11,146	8,302	10,529	4,545	4,696	1,566	2,080	4,063
DEPARTMENT OF THE NAVY	-	300	2,315	1,916	3,178	3,345	4,110	4,263
DEPARTMENT OF THE AIR FORCE	113,564	109,685	101,830	105,248	109,393	115,944	120,760	133,444
DEFENSE AGENCIES	2,250	1,685	1,736	1,943	2,849	2,845	3,570	4,578
OTHER DOD	-	-	-	1,406	1,726	1,956	1,693	1,932
DEPARTMENT OF ENERGY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45,836
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	25,309	24,264	23,027	393	729	1,303	1,267	762
NATIONAL INSTITUTES OF HEALTH	203	324	513	393	729	1,175	1,025	762
OFFICE OF EDUCATION	25,106	23,940	22,514	-	-	128	169	-
OTHER HEW	-	-	-	-	-	-	73	-
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HOUSING & URBAN DEVELOPMENT	165	-	950	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	-	796	-	-	-	239	378	202
BUREAU OF MINES	-	796	-	-	-	230	180	202
OTHER INTERIOR	-	-	-	-	-	9	198	-
DEPARTMENT OF JUSTICE	-	-	-	4,085	5,204	1,254	9,792	1,764
DEPARTMENT OF TRANSPORTATION, TOTAL	923	3,742	7,814	5,872	12,574	10,265	10,909	10,552

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TABLE 54A. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1970	1971	1972	1973	1974	1975	1976	1977
FEDERAL AVIATION ADMINISTRATION	923	3,742	7,609	5,360	11,509	9,270	9,806	9,847
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	205	-	-	-	-	-
OTHER TRANSPORTATION	-	-	-	512	1,065	995	1,103	705
DEPARTMENT OF THE TREASURY	-	-	-	-	-	-	-	505
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	48,573	7,785	4,088	4,665	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	N/A	N/A	N/A	N/A	5,367	15,339	16,881	N/A
ENVIRONMENTAL PROTECTION AGENCY	140	-	673	886	795	802	606	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL AERONAUTICS & SPACE ADMIN	270	344	2,206	1,881	403	220	856	199
NATIONAL SCIENCE FOUNDATION	-	1,274	395	-	1,647	-	200	-
OFFICE OF ECONOMIC OPPORTUNITY	-	35	-	-	-	-	N/A	N/A
ALL OTHER AGENCIES	-	-	-	-	-	24	156	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 54B. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL AGENCIES	155,102	173,540	208,323	248,991	295,382	370,117	454,262	382,119
DEPARTMENT OF COMMERCE, TOTAL	-	282	223	189	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMIN	-	34	-	-	-	-	-	-
OTHER COMMERCE	-	248	223	189	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	125,656	132,213	148,280	172,999	197,855	242,304	295,181	353,170
DEPARTMENT OF THE ARMY	1,566	2,080	4,063	4,911	5,845	5,922	7,109	8,827
MILITARY FUNCTIONS	1,566	2,080	4,063	4,911	5,845	5,922	7,109	8,827
DEPARTMENT OF THE NAVY	3,345	4,110	4,263	4,820	3,055	4,660	4,800	4,728
DEPARTMENT OF THE AIR FORCE	115,944	120,760	133,444	154,485	178,845	210,681	260,593	311,584
DEFENSE AGENCIES	2,845	3,570	4,578	6,597	7,411	17,529	19,777	24,459
OTHER DOD	1,956	1,693	1,932	2,186	2,699	3,512	2,902	3,572
DEPARTMENT OF ENERGY	N/A	N/A	45,836	62,097	95,635	126,098	158,106	25,861
DEPT OF HEALTH, EDUC, & WELFARE, TOTAL	1,303	1,267	762	475	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,175	1,025	762	475	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	128	169	-	-	N/A	N/A	N/A	N/A
OTHER HEW	-	73	-	-	N/A	N/A	N/A	N/A
DEPT OF HEALTH & HUMAN SERVICES, TOTAL	N/A	N/A	N/A	N/A	641	89	79	83
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	641	89	79	83
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	239	378	202	-	168	207	200	200
BUREAU OF MINES	230	180	202	-	117	207	200	200
OTHER INTERIOR	9	198	-	-	51	-	-	-
DEPARTMENT OF JUSTICE	1,254	9,792	1,764	160	-	-	-	-

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TABLE 54B. FEDERAL OBLIGATIONS FOR DEVELOPMENT PERFORMANCE BY FFRDC'S ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS, BY SELECTED AGENCY: FISCAL YEARS 1975-82

(THOUSANDS OF DOLLARS)

- CONTINUED

SELECTED AGENCY	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
DEPARTMENT OF TRANSPORTATION, TOTAL	10,265	10,909	10,552	11,325	-	-	-	1,700
FEDERAL AVIATION ADMINISTRATION	9,270	9,806	9,847	10,420	-	-	-	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	-	-	-	-
OTHER TRANSPORTATION	995	1,103	705	905	-	-	-	1,700
DEPARTMENT OF THE TREASURY	-	-	505	1,536	940	936	296	515
OTHER AGENCIES								
ATOMIC ENERGY COMMISSION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RESEARCH & DEVELOPMENT ADMIN	15,339	16,881	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	802	608	-	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	92	240	160	350
AGENCY FOR INTERNAT'L DEV	N/A	N/A	N/A	N/A	92	240	160	350
NATIONAL AERONAUTICS & SPACE ADMIN	220	856	199	210	51	243	240	240
NATIONAL SCIENCE FOUNDATION	-	200	-	-	-	-	-	-
OFFICE OF ECONOMIC OPPORTUNITY	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALL OTHER AGENCIES	24	156	-	-	-	-	-	-

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH OR IN THAT ORGANIZATION IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 55A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	14,980,851	15,239,833	16,261,803	16,486,064	16,990,692	18,542,328	20,247,351	23,373,665
NEW ENGLAND	1,000,840	1,145,025	1,259,777	1,264,425	1,561,757	1,650,549	1,716,203	1,963,733
CONNECTICUT	160,027	149,937	169,158	193,864	233,691	269,694	239,442	291,766
MAINE	13,262	13,591	16,341	9,593	10,481	11,947	15,558	18,270
MASSACHUSETTS	760,920	883,187	961,177	953,615	1,188,262	1,228,609	1,284,945	1,474,411
NEW HAMPSHIRE	27,268	34,042	21,452	30,560	29,279	33,566	34,735	32,585
RHODE ISLAND	29,911	50,535	68,877	59,276	74,896	75,124	101,775	110,078
VERMONT	9,452	13,733	22,772	17,517	25,148	31,609	39,748	36,623
MIDDLE ATLANTIC	2,516,015	2,413,512	2,480,979	2,206,651	2,160,209	2,281,294	2,439,092	2,608,076
NEW JERSEY	741,660	745,131	763,073	645,244	473,773	442,002	495,729	566,338
NEW YORK	1,235,594	1,119,482	1,075,606	932,630	1,026,289	1,058,567	1,107,412	1,204,250
PENNSYLVANIA	538,761	548,899	642,300	628,777	660,147	780,725	835,951	837,488
EAST NORTH CENTRAL ...	1,038,771	1,121,677	1,179,646	1,082,816	1,263,814	1,377,259	1,439,482	1,726,300
ILLINOIS	239,563	249,089	291,017	287,634	325,407	371,250	414,277	517,236
INDIANA	91,905	74,581	100,520	82,917	94,961	92,756	92,441	102,831
MICHIGAN	162,818	187,265	186,273	153,817	196,550	248,870	222,173	316,621
OHIO	457,342	518,133	521,731	478,838	567,264	585,153	627,775	694,841
WISCONSIN	87,143	92,609	80,105	79,610	79,632	79,230	82,796	94,771
WEST NORTH CENTRAL ...	475,375	785,993	905,991	830,776	607,421	573,978	681,812	974,803
IOWA	32,661	32,893	37,932	38,467	46,461	47,808	48,503	60,146
KANSAS	16,646	24,335	31,299	30,410	29,407	32,834	32,070	38,321
MINNESOTA	109,270	102,812	126,960	120,234	106,901	123,236	153,271	186,503
MISSOURI	291,181	596,917	679,459	608,093	387,024	330,036	404,314	639,568
NEBRASKA	10,648	10,406	11,712	13,405	14,748	20,284	21,376	24,507
NORTH DAKOTA	8,878	9,063	10,503	9,468	10,522	12,984	14,791	19,261
SOUTH DAKOTA	6,091	9,567	8,126	10,699	12,358	6,796	7,287	8,497
SOUTH ATLANTIC	2,899,329	3,228,328	3,560,582	3,705,967	3,752,781	3,993,241	4,228,662	4,879,552
DELAWARE	16,299	12,951	17,371	40,827	10,373	10,021	7,958	15,336
DIST OF COLUMBIA ...	468,493	481,904	462,106	489,976	552,258	580,254	570,254	729,791
FLORIDA	824,785	890,381	1,022,524	952,003	783,218	796,844	788,271	919,204
GEORGIA	72,265	78,751	71,881	66,788	70,940	81,030	92,257	111,165
MARYLAND	1,063,359	1,201,248	1,318,100	1,434,838	1,528,917	1,610,270	1,811,181	2,031,395
NORTH CAROLINA	63,908	82,715	83,275	101,719	110,049	116,908	139,133	154,722
SOUTH CAROLINA	17,804	23,382	26,339	23,724	28,810	24,620	30,822	67,165
VIRGINIA	352,785	424,880	529,599	567,938	642,283	726,803	751,545	800,187
WEST VIRGINIA	19,631	32,116	29,387	28,154	25,933	46,491	37,241	50,587
EAST SOUTH CENTRAL ...	599,724	618,295	638,862	681,481	726,677	745,628	885,231	1,131,891

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TABLE 55A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	357,221	360,011	358,999	376,459	377,394	363,098	37[illegible],433	433,691
KENTUCKY	20,413	23,090	32,100	38,080	31,319	35,209	51,034	56,556
MISSISSIPPI	28,276	46,696	60,658	57,454	76,286	57,872	71,593	95,362
TENNESSEE	193,814	188,498	187,105	209,488	241,678	289,449	388,171	546,282
WEST SOUTH CENTRAL	834,880	733,149	798,868	794,036	772,077	874,166	1,021,941	1,127,333
ARKANSAS	9,787	20,822	13,223	16,627	14,186	23,299	26,519	24,315
LOUISIANA	146,488	90,111	103,603	91,614	75,745	101,829	126,068	156,541
OKLAHOMA	29,483	26,332	29,092	34,753	29,916	34,521	32,106	48,181
TEXAS	649,122	595,884	652,950	651,042	652,230	714,517	837,248	898,296
MOUNTAIN	1,137,686	1,127,394	1,214,424	1,290,556	1,212,952	1,280,989	1,400,379	1,727,328
ARIZONA	72,803	88,723	89,901	94,765	99,533	116,287	122,460	142,527
COLORADO	274,113	264,187	369,107	410,828	323,285	267,938	248,643	324,154
IDAHO	75,008	75,287	75,926	81,839	52,223	67,230	72,726	119,842
MONTANA	11,646	17,592	19,006	19,857	13,628	28,361	29,755	47,776
NEVADA	190,948	159,040	140,255	143,129	112,504	150,015	179,671	184,282
NEW MEXICO	444,955	458,674	451,511	462,775	532,035	554,776	626,260	751,394
UTAH	61,052	55,789	58,868	66,689	68,712	80,106	101,481	133,160
WYOMING	7,161	8,102	9,850	10,674	11,032	16,276	19,383	24,193
PACIFIC	4,404,125	4,004,921	4,158,180	4,562,187	4,864,310	5,692,542	6,369,377	7,148,179
ALASKA	43,179	58,200	46,042	41,822	25,280	36,439	37,586	38,126
CALIFORNIA	3,871,053	3,295,379	3,473,093	3,840,244	4,075,716	4,839,570	5,496,066	6,109,061
HAWAII	43,815	38,332	47,374	47,918	53,064	42,970	45,507	36,914
OREGON	33,848	41,853	53,732	64,311	59,870	78,975	84,624	84,933
WASHINGTON	412,230	571,157	537,939	567,892	650,380	694,588	705,594	879,145
OUTLYING AREAS	17,280	18,612	18,421	19,731	19,556	28,829	22,353	47,846
OFFICES ABROAD	56,826	42,927	46,073	47,438	49,138	43,853	43,039	38,624

NOTES: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 55B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	16,486,064	16,990,692	18,542,328	20,247,351	23,373,665	25,619,813	27,916,790	30,477,266
NEW ENGLAND	1,264,425	1,561,757	1,650,549	1,716,203	1,963,733	2,231,095	2,685,116	2,814,353
CONNECTICUT	193,864	233,691	269,694	239,442	291,766	299,778	328,399	470,281
MAINE	9,593	10,481	11,947	15,558	18,270	25,371	23,096	25,936
MASSACHUSETTS	953,615	1,188,262	1,228,609	1,284,945	1,474,411	1,693,305	2,062,337	2,066,738
NEW HAMPSHIRE	30,560	29,279	33,566	34,735	32,585	68,670	94,089	50,196
RHODE ISLAND	59,276	74,896	75,124	101,775	110,078	120,310	140,680	149,930
VERMONT	17,517	25,148	31,609	39,748	36,623	23,661	36,515	51,272
MIDDLE ATLANTIC	2,206,651	2,160,209	2,281,294	2,439,092	2,608,076	2,802,198	3,112,347	3,259,974
NEW JERSEY	645,244	473,773	442,002	495,729	566,338	522,450	649,310	729,375
NEW YORK	932,630	1,026,289	1,058,567	1,107,412	1,204,250	1,284,092	1,363,103	1,471,187
PENNSYLVANIA	628,777	660,147	780,725	835,951	837,488	995,656	1,099,934	1,059,412
EAST NORTH CENTRAL ...	1,082,816	1,263,814	1,377,259	1,439,462	1,726,300	2,010,350	2,097,756	2,316,195
ILLINOIS	287,634	325,407	371,250	414,277	517,236	564,280	547,226	599,900
INDIANA	82,917	94,961	92,756	92,441	102,831	108,075	121,999	162,432
MICHIGAN	153,817	196,550	248,870	222,173	316,621	367,828	264,357	377,525
OHIO	478,838	567,264	585,153	627,775	694,841	858,252	1,053,175	1,054,661
WISCONSIN	79,610	79,632	79,230	82,796	94,771	111,915	110,999	121,677
WEST NORTH CENTRAL ...	830,776	607,421	573,978	681,612	974,803	1,250,731	1,277,818	1,618,532
IOWA	38,467	46,461	47,808	48,503	60,146	68,303	84,872	121,686
KANSAS	30,410	29,407	32,834	32,070	36,321	106,598	136,330	353,550
MINNESOTA	120,234	106,901	123,236	153,271	186,503	177,662	202,761	261,600
MISSOURI	608,093	387,024	330,036	404,314	639,568	827,254	778,948	801,571
NEBRASKA	13,405	14,748	20,284	21,376	24,507	33,502	31,294	31,608
NORTH DAKOTA	9,468	10,522	12,984	14,791	19,261	28,322	33,431	38,650
SOUTH DAKOTA	10,699	12,358	6,796	7,287	8,497	9,090	10,182	9,867
SOUTH ATLANTIC	3,705,967	3,752,781	3,993,241	4,228,662	4,879,552	5,288,729	5,726,924	6,430,243
DELAWARE	40,827	10,373	10,021	7,958	15,336	11,057	14,382	20,758
DIST OF COLUMBIA ...	489,976	552,258	580,254	570,254	729,791	792,268	768,394	806,995
FLORIDA	952,003	783,218	796,844	788,271	919,204	947,589	1,017,303	1,323,512
GEORGIA	66,788	70,940	81,030	92,257	111,165	155,701	184,407	169,794
MARYLAND	1,434,838	1,528,917	1,610,270	1,811,181	2,031,395	2,126,041	2,359,810	2,594,960
NORTH CAROLINA	101,719	110,049	116,908	139,133	154,722	192,342	220,940	227,681
SOUTH CAROLINA	23,724	28,810	24,620	30,822	67,165	118,292	114,252	87,459
VIRGINIA	567,938	642,283	726,803	751,545	800,187	872,129	940,261	1,047,052
WEST VIRGINIA	28,154	25,933	46,491	37,241	50,587	73,310	107,175	152,032
EAST SOUTH CENTRAL ...	681,481	726,677	745,628	885,231	1,131,891	1,277,123	1,347,328	1,492,778

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TABLE 55B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	376,459	377,394	363,098	374,433	433,691	483,672	559,596	552,691
KENTUCKY	38,080	31,319	35,209	51,034	56,556	62,069	43,029	107,925
MISSISSIPPI	57,454	76,286	57,872	71,593	95,362	87,118	100,650	109,284
TENNESSEE	209,488	241,678	289,449	388,171	546,282	644,264	644,053	722,878
WEST SOUTH CENTRAL	794,036	772,077	874,166	1,021,941	1,127,333	1,388,968	1,454,179	1,585,438
ARKANSAS	16,627	14,186	23,299	26,519	24,315	42,396	37,266	29,955
LOUISIANA	91,614	75,745	101,829	126,068	156,541	162,676	209,084	269,752
OKLAHOMA	34,753	29,916	34,521	32,106	48,181	105,008	70,113	94,479
TEXAS	651,042	652,230	714,517	837,248	898,296	1,078,888	1,137,716	1,191,252
MOUNTAIN	1,290,556	1,212,952	1,280,989	1,400,379	1,727,328	2,077,893	2,262,677	2,568,168
ARIZONA	94,765	99,533	116,287	122,460	142,527	163,430	201,434	334,616
COLORADO	410,828	323,285	267,938	248,643	324,154	393,185	442,218	573,730
IDAHO	81,839	52,223	67,230	72,726	119,842	107,042	147,077	147,875
MONTANA	19,857	13,628	28,361	29,755	47,776	27,490	41,648	45,664
NEVADA	143,129	112,504	150,015	179,671	184,282	196,677	222,098	214,471
NEW MEXICO	462,775	532,035	554,776	626,260	751,394	987,411	955,542	954,179
UTAH	66,689	68,712	80,106	101,481	133,160	161,840	211,637	243,929
WYOMING	10,674	11,032	16,276	19,383	24,193	40,818	41,023	53,904
PACIFIC	4,562,187	4,864,310	5,692,542	6,369,377	7,148,179	7,208,094	7,855,605	8,272,797
ALASKA	41,822	25,280	36,439	37,586	38,126	48,701	45,920	42,527
CALIFORNIA	3,840,244	4,075,716	4,839,570	5,496,066	6,109,081	6,141,148	6,803,995	7,138,014
HAWAII	47,918	53,064	42,970	45,507	36,914	44,648	40,819	42,583
OREGON	64,311	59,870	78,975	84,624	84,933	95,279	100,104	97,877
WASHINGTON	567,892	650,380	694,588	705,594	879,145	878,318	864,767	951,796
OUTLYING AREAS	19,731	19,556	28,829	22,353	47,846	38,732	39,388	45,250
OFFICES ABROAD	47,438	49,138	43,853	43,039	38,624	45,900	57,652	73,538

NOTES: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 56A. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	519,614	586,019	595,614	757,501	749,823	800,995	799,196	1,334,006
NEW ENGLAND	14,970	15,674	24,485	15,533	17,709	22,686	22,369	36,078
CONNECTICUT	2,765	1,516	2,702	2,390	5,218	3,831	1,934	3,943
MAINE	122	-	405	35	245	5	15	50
MASSACHUSETTS	10,677	9,700	16,051	8,384	9,505	11,047	13,975	24,391
NEW HAMPSHIRE	42	1,972	1,455	431	1,080	2,936	1,992	2,432
RHODE ISLAND	1,326	2,069	2,762	4,153	667	4,867	4,453	5,262
VERMONT	38	417	1,110	140	994	-	-	-
MIDDLE ATLANTIC	51,513	55,666	74,109	99,655	101,395	76,765	70,635	133,927
NEW JERSEY	5,631	5,047	14,928	5,251	2,487	11,472	22,114	64,817
NEW YORK	26,667	33,856	21,902	81,793	77,070	46,436	37,508	60,997
PENNSYLVANIA	19,215	16,763	37,279	12,611	21,838	18,857	11,013	8,113
EAST NORTH CENTRAL ...	119,876	100,124	85,516	129,686	69,723	48,286	66,514	114,564
ILLINOIS	94,739	85,223	68,126	84,346	42,940	29,573	45,202	52,021
INDIANA	418	790	486	269	77	88	754	570
MICHIGAN	3,807	903	2,897	4,801	237	641	2,011	1,051
OHIO	20,312	10,074	13,048	39,145	19,609	15,065	13,644	60,390
WISCONSIN	600	3,134	959	1,125	6,860	2,919	4,903	532
WEST NORTH CENTRAL ...	9,263	10,802	8,051	4,707	26,864	5,782	3,603	3,588
IOWA	1,152	1,501	756	1,101	505	746	1,118	1,460
KANSAS	85	212	74	237	66	18	102	61
MINNESOTA	778	4,065	1,287	458	23,406	127	466	383
MISSOURI	4,247	2,214	687	323	826	4,086	466	872
NEBRASKA	858	1,185	1,592	966	1,462	409	964	197
NORTH DAKOTA	66	125	535	146	214	396	487	611
SOUTH DAKOTA	2,077	1,500	3,120	1,476	385	-	-	4
SOUTH ATLANTIC	72,303	77,025	114,103	142,939	140,526	173,704	166,899	358,498
DELAWARE	12	-	39	39	131	118	-	11
DIST OF COLUMBIA ...	6,425	5,126	9,044	31,456	1,148	7,945	21,385	11,324
FLORIDA	33,240	30,810	47,669	40,074	51,660	95,960	76,294	155,226
GEORGIA	2,026	2,263	1,826	718	142	457	201	1,176
MARYLAND	20,282	29,653	36,084	51,353	60,816	40,058	36,700	80,390
NORTH CAROLINA	3,144	406	6,040	4,751	4,103	306	644	66,762
SOUTH CAROLINA	1,754	1,334	1,194	3,418	7,739	3,836	3,338	2,218
VIRGINIA	3,549	7,026	11,306	6,960	14,001	23,141	11,602	24,732
WEST VIRGINIA	1,871	407	901	4,170	786	1,883	16,735	16,659
EAST SOUTH CENTRAL ...	16,787	18,272	27,735	55,449	54,668	52,528	76,945	54,679

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TABLE 56A. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	1,785	3,944	6,725	5,079	5,648	8,369	12,286	5,337
KENTUCKY	813	279	86	4	159	-	-	-
MISSISSIPPI	812	374	437	13,016	15,213	4,842	4,129	11,535
TENNESSEE	13,377	13,675	20,487	37,350	33,648	39,317	60,530	37,807
WEST SOUTH CENTRAL	9,364	11,713	11,194	11,860	8,202	8,920	11,095	17,238
ARKANSAS	75	30	54	245	433	713	877	2,793
LOUISIANA	1,089	5,132	540	373	1,575	303	2,254	3,625
OKLAHOMA	127	79	181	124	135	268	156	385
TEXAS	8,073	6,472	10,419	11,118	6,059	7,638	7,808	10,435
MOUNTAIN	112,367	102,411	84,141	95,461	86,178	104,900	123,758	195,572
ARIZONA	1,633	1,257	2,289	482	3,624	1,282	2,699	1,550
COLORADO	5,212	8,234	16,185	21,915	7,931	4,900	11,971	12,699
IDAHO	23,043	20,325	5,426	6,304	10,954	16,154	19,664	26,073
MONTANA	48	516	69	52	67	331	126	818
NEVADA	17,223	16,903	17,512	14,439	9,205	11,711	11,709	14,758
NEW MEXICO	63,906	54,141	41,624	51,620	50,261	68,120	76,638	137,916
UTAH	974	604	1,028	479	4,135	2,118	763	1,502
WYOMING	628	431	8	170	1	284	188	256
PACIFIC	104,432	178,312	156,291	176,741	243,756	305,863	256,072	417,808
ALASKA	459	1,387	685	521	111	875	817	620
CALIFORNIA	85,928	119,784	123,357	127,971	141,096	151,059	147,280	303,285
HAWAII	506	2,230	867	355	379	6,203	2,812	484
OREGON	2,269	1,214	1,212	112	100	1,228	2,025	33
WASHINGTON	15,270	53,697	30,170	47,782	102,070	146,498	103,138	113,386
OUTLYING AREAS	3,457	5,177	1,835	1,371	570	477	275	135
OFFICES ABROAD	5,282	10,843	8,154	24,099	232	1,084	1,031	1,919

NOTES: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-PLANT-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D PLANT OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 56B. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	757,501	749,823	800,995	799,196	1,334,006	1,261,988	1,393,836	1,533,054
NEW ENGLAND	15,533	17,709	22,686	22,369	36,078	34,850	58,215	24,097
CONNECTICUT	2,390	5,218	3,831	1,934	3,943	2,332	12,314	1,039
MAINE	35	245	5	15	50	100	106	14
MASSACHUSETTS	8,384	9,505	11,047	13,975	24,391	28,727	36,934	20,373
NEW HAMPSHIRE	431	1,080	2,936	1,992	2,432	1,266	5,386	47
RHODE ISLAND	4,153	667	4,867	4,453	5,262	2,425	3,472	2,624
VERMONT	140	994	-	-	-	-	3	-
MIDDLE ATLANTIC	99,655	101,395	76,765	70,635	133,927	189,334	180,736	187,377
NEW JERSEY	5,251	2,487	11,472	22,114	64,817	96,715	64,811	60,534
NEW YORK	81,793	77,070	46,436	37,508	60,997	63,831	69,422	91,375
PENNSYLVANIA	12,611	21,838	18,857	11,013	8,113	28,788	46,503	35,468
EAST NORTH CENTRAL ...	129,686	69,723	48,286	66,514	114,564	108,733	96,407	123,260
ILLINOIS	84,346	42,940	29,573	45,202	52,021	72,877	61,874	71,500
INDIANA	269	77	88	754	570	415	681	650
MICHIGAN	4,801	237	641	2,011	1,051	1,888	2,992	8,302
OHIO	39,145	19,609	15,065	13,644	60,390	23,906	27,999	40,279
WISCONSIN	1,125	6,860	2,919	4,903	532	9,647	2,861	2,529
WEST NORTH CENTRAL ...	4,707	26,864	5,782	3,603	3,588	7,596	12,387	53,524
IOWA	1,101	505	746	1,118	1,460	2,316	2,200	2,947
KANSAS	237	66	18	102	61	193	18	56
MINNESOTA	458	23,406	127	466	383	1,216	809	340
MISSOURI	323	826	4,086	466	872	1,235	5,635	40,922
NEBRASKA	966	1,462	409	964	197	252	779	2,067
NORTH DAKOTA	146	214	396	487	611	2,258	1,353	4,068
SOUTH DAKOTA	1,476	385	-	-	4	126	1,593	3,124
SOUTH ATLANTIC	142,939	140,526	173,704	166,899	358,498	233,402	201,958	181,239
DELAWARE	39	131	118	-	11	21	-	694
DIST OF COLUMBIA ...	31,456	1,148	7,945	21,385	11,324	11,133	21,969	14,287
FLORIDA	40,074	51,660	95,960	76,294	155,226	81,096	45,988	46,681
GEORGIA	718	142	457	201	1,176	1,791	1,026	623
MARYLAND	51,353	60,816	40,058	36,700	80,390	82,657	64,345	53,331
NORTH CAROLINA	4,751	4,103	306	644	66,762	3,475	3,857	8,208
SOUTH CAROLINA	3,418	7,739	3,836	3,338	2,218	6,942	9,675	3,078
VIRGINIA	6,960	14,001	23,141	11,602	24,732	29,274	42,024	41,478
WEST VIRGINIA	4,170	786	1,883	16,735	16,659	17,013	13,072	12,859
EAST SOUTH CENTRAL ...	55,449	54,668	52,528	76,945	54,679	55,866	65,098	134,687

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TABLE 56B. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	5,079	5,648	8,369	12,286	5,337	6,457	2,584	47,910
KENTUCKY	4	159	-	-	-	11	2,932	46
MISSISSIPPI	13,016	15,213	4,842	4,129	11,535	5,954	3,791	6,622
TENNESSEE	37,350	33,648	39,317	60,530	37,807	43,444	55,791	80,109
WEST SOUTH CENTRAL	11,860	8,202	8,920	11,095	17,238	34,636	27,304	30,784
ARKANSAS	245	433	713	877	2,793	924	226	725
LOUISIANA	373	1,575	303	2,254	3,625	20,852	16,715	12,577
OKLAHOMA	124	135	268	156	385	1,042	617	3,249
TEXAS	11,118	6,059	7,636	7,808	10,435	11,818	9,746	14,233
MOUNTAIN	95,461	86,178	104,900	123,758	195,572	210,153	254,895	284,302
ARIZONA	482	3,624	1,282	2,699	1,550	33,852	35,293	1,767
COLORADO	21,915	7,931	4,900	11,971	12,699	11,643	9,710	35,631
IDAHO	6,304	10,954	16,154	19,664	26,073	35,632	41,847	45,120
MONTANA	52	67	331	126	818	38	1,189	3,707
NEVADA	14,439	9,205	11,711	11,709	14,758	18,473	24,166	22,419
NEW MEXICO	51,620	50,261	68,120	76,638	137,916	101,655	138,554	169,471
UTAH	479	4,135	2,118	763	1,502	7,991	2,888	1,915
WYOMING	170	1	284	188	256	869	1,248	4,272
PACIFIC	176,741	243,756	305,863	256,072	417,808	381,855	489,206	509,783
ALASKA	521	111	875	817	620	743	827	50
CALIFORNIA	127,971	141,096	151,059	147,280	303,285	259,484	400,195	377,408
HAWAII	355	379	6,203	2,812	484	694	517	153
OREGON	112	100	1,228	2,025	33	2,604	871	3,938
WASHINGTON	47,782	102,070	146,498	103,138	113,386	118,330	86,796	128,236
OUTLYING AREAS	1,371	570	477	275	135	1,699	514	2,879
OFFICES ABROAD	24,099	232	1,084	1,031	1,919	3,864	7,118	1,122

NOTES: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-PLANT-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D PLANT OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 57A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	3,729,433	4,045,757	4,364,064	4,465,431	4,654,268	5,212,411	5,511,784	5,922,141
NEW ENGLAND	164,395	216,379	247,622	203,832	244,941	284,551	277,390	287,914
CONNECTICUT	27,919	5,997	8,058	9,578	9,499	10,308	9,271	12,186
MAINE	3,504	2,208	2,753	1,618	1,300	2,065	1,770	2,105
MASSACHUSETTS	116,626	176,453	189,763	153,955	190,576	229,907	196,381	192,567
NEW HAMPSHIRE	4,236	3,638	6,970	7,055	6,463	4,244	6,904	7,538
RHODE ISLAND	11,553	27,367	38,088	30,760	36,157	36,762	61,900	72,615
VERMONT	557	716	1,990	866	946	1,265	1,164	903
MIDDLE ATLANTIC	333,636	316,053	402,404	304,782	319,751	338,595	382,630	471,098
NEW JERSEY	152,773	143,572	185,943	119,718	117,133	124,621	134,910	208,369
NEW YORK	77,786	73,869	78,912	78,612	79,528	89,343	87,519	91,767
PENNSYLVANIA	103,077	98,612	137,549	106,452	123,090	124,631	160,201	170,962
EAST NORTH CENTRAL ...	280,697	293,501	325,661	336,803	333,886	405,078	403,722	447,088
ILLINOIS	27,253	30,773	37,836	43,856	39,927	50,456	47,641	56,586
INDIANA	14,016	7,251	9,043	9,836	12,276	17,574	23,306	23,343
MICHIGAN	25,111	20,302	24,478	23,590	27,431	34,479	30,355	32,716
OHIO	204,982	226,896	244,836	250,025	244,189	291,318	289,788	319,306
WISCONSIN	9,335	8,279	9,468	9,496	10,063	11,251	12,632	15,137
WEST NORTH CENTRAL ...	41,191	55,488	41,458	49,929	52,883	54,373	67,458	76,880
IOWA	5,976	5,827	6,243	6,151	7,075	7,729	8,359	10,431
KANSAS	2,495	2,750	3,837	3,857	3,339	3,795	6,334	4,578
MINNESOTA	7,988	9,872	9,753	8,746	9,550	9,775	12,667	17,424
MISSOURI	15,900	26,418	10,618	18,067	16,641	17,174	23,766	23,690
NEBRASKA	2,317	3,321	3,062	3,337	4,026	5,467	6,301	7,440
NORTH DAKOTA	4,772	5,301	5,783	5,518	6,720	7,805	8,169	11,206
SOUTH DAKOTA	1,743	1,999	2,162	4,253	5,532	2,628	1,862	2,111
SOUTH ATLANTIC	1,569,496	1,787,382	1,906,106	1,986,070	2,105,805	2,338,479	2,474,077	2,691,214
DELAWARE	780	509	328	21,052	569	980	838	774
DIST OF COLUMBIA ...	326,455	344,374	330,326	327,084	395,451	421,107	417,598	475,044
FLORIDA	321,497	357,914	350,064	329,459	340,347	415,915	422,373	430,456
GEORGIA	21,943	26,858	26,608	25,715	26,003	29,681	40,161	47,099
MARYLAND	659,019	747,208	826,770	901,761	947,668	1,027,076	1,156,705	1,283,876
NORTH CAROLINA	12,963	30,386	18,531	38,147	36,604	44,810	49,672	57,278
SOUTH CAROLINA	2,739	5,718	3,248	3,182	4,303	4,983	6,879	11,373
VIRGINIA	218,282	266,523	342,427	330,447	344,297	381,149	363,979	365,022
WEST VIRGINIA	5,818	7,892	7,804	9,223	10,563	12,778	15,872	20,292
EAST SOUTH CENTRAL ...	211,823	236,533	266,375	277,115	305,734	321,553	320,509	365,279

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TABLE 57A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	176,435	199,255	200,739	210,088	230,508	246,266	243,246	272,765
KENTUCKY	9,237	7,653	18,748	22,345	14,534	12,461	8,279	11,255
MISSISSIPPI	16,918	19,892	39,773	30,787	51,293	33,827	41,049	60,149
TENNESSEE	9,233	9,733	7,115	13,895	9,399	28,999	27,935	21,110
WEST SOUTH CENTRAL	202,280	203,842	216,012	227,812	222,633	262,921	291,987	299,656
ARKANSAS	1,072	1,676	4,993	8,433	7,177	13,393	17,203	15,594
LOUISIANA	19,010	17,677	17,159	18,341	7,247	22,397	25,562	27,010
OKLAHOMA	12,164	7,766	10,096	12,227	9,908	12,837	10,042	21,060
TEXAS	170,034	176,723	183,764	188,811	198,301	214,294	239,180	235,992
MOUNTAIN	283,295	334,820	318,330	356,040	324,996	364,932	393,135	442,739
ARIZONA	31,606	30,991	27,649	36,630	28,721	35,970	36,199	39,396
COLORADO	41,189	58,472	51,363	53,174	45,250	53,057	64,671	106,159
IDAHO	4,661	4,868	4,968	5,282	5,239	6,533	7,041	8,437
MONTANA	5,827	6,783	7,454	8,568	6,985	11,784	12,879	14,781
NEVADA	35,302	37,430	36,521	38,627	25,605	37,883	38,236	43,235
NEW MEXICO	138,774	168,626	163,977	180,409	186,548	187,183	195,291	190,974
UTAH	21,712	22,895	21,109	27,132	20,146	22,457	24,894	25,286
WYOMING	4,224	4,755	5,289	6,218	6,502	10,065	13,924	14,471
PACIFIC	594,879	561,622	597,682	676,572	697,162	795,766	863,147	805,746
ALASKA	10,849	16,852	13,071	16,320	11,381	21,123	22,636	22,283
CALIFORNIA	547,625	508,651	540,824	611,255	624,789	708,793	765,879	703,544
HAWAII	9,231	6,473	8,112	8,052	14,540	6,568	13,914	6,706
OREGON	8,338	12,216	14,905	24,087	21,228	35,177	36,194	28,923
WASHINGTON	18,836	17,430	20,770	16,858	25,224	24,105	24,524	44,290
OUTLYING AREAS	4,397	6,362	7,971	8,113	6,515	15,044	8,217	9,820
OFFICES ABROAD	43,344	33,775	34,443	38,363	39,962	31,119	29,512	24,707

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 57B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	4,465,431	4,654,268	5,212,411	5,511,784	5,922,141	6,633,992	7,195,898	7,610,532
NEW ENGLAND	203,832	244,941	284,551	277,390	287,914	290,266	382,208	324,057
CONNECTICUT	9,578	9,499	10,308	9,271	12,186	14,641	17,745	15,904
MAINE	1,618	1,300	2,065	1,770	2,105	5,487	2,797	3,658
MASSACHUSETTS	153,955	190,576	229,907	196,381	192,567	179,997	242,199	183,142
NEW HAMPSHIRE	7,055	6,463	4,244	6,904	7,538	9,962	13,578	13,812
RHODE ISLAND	30,760	36,157	36,762	61,900	72,615	77,482	93,726	95,778
VERMONT	866	946	1,265	1,164	903	2,697	12,163	11,765
MIDDLE ATLANTIC	304,782	319,751	338,595	382,630	471,098	477,024	559,106	691,807
NEW JERSEY	119,718	117,133	124,621	134,910	208,369	181,738	231,783	295,792
NEW YORK	78,612	79,528	89,343	87,519	91,767	123,208	112,708	124,024
PENNSYLVANIA	106,452	123,090	124,631	160,201	170,962	172,078	214,615	271,991
EAST NORTH CENTRAL ...	336,803	333,886	405,078	403,722	447,088	589,223	626,216	661,408
ILLINOIS	43,856	39,927	50,456	47,641	56,586	48,337	47,552	51,780
INDIANA	9,836	12,276	17,574	23,306	23,343	24,453	31,076	35,113
MICHIGAN	23,590	27,431	34,479	30,355	32,716	50,590	54,436	57,335
OHIO	250,025	244,189	291,318	289,788	319,306	449,860	477,706	499,732
WISCONSIN	9,496	10,063	11,251	12,632	15,137	15,983	15,446	17,448
WEST NORTH CENTRAL ...	49,929	52,883	54,373	67,458	76,880	93,339	108,917	100,816
IOWA	6,151	7,075	7,729	8,359	10,431	11,459	11,940	12,292
KANSAS	3,857	3,339	3,795	6,334	4,578	4,529	4,185	4,178
MINNESOTA	8,746	9,550	9,775	12,667	17,424	18,809	20,926	21,522
MISSOURI	18,067	16,641	17,174	23,766	23,690	27,988	42,713	30,111
NEBRASKA	3,337	4,026	5,467	6,301	7,440	12,895	7,748	7,574
NORTH DAKOTA	5,518	6,720	7,805	8,169	11,206	15,562	18,430	22,830
SOUTH DAKOTA	4,253	5,532	2,628	1,862	2,111	2,097	2,975	2,309
SOUTH ATLANTIC	1,986,070	2,105,805	2,338,479	2,474,077	2,691,214	2,933,333	3,105,507	3,374,365
DELAWARE	21,052	569	980	838	774	907	1,273	5,801
DIST OF COLUMBIA ...	327,084	395,451	421,107	417,598	475,044	604,722	527,230	578,632
FLORIDA	329,459	340,347	415,915	422,373	430,456	401,101	368,037	426,017
GEORGIA	25,715	26,003	29,681	40,161	47,099	54,173	65,375	63,800
MARYLAND	901,761	947,668	1,027,076	1,156,705	1,283,876	1,331,003	1,510,541	1,645,053
NORTH CAROLINA	38,147	36,604	44,810	49,672	57,278	71,368	86,055	81,243
SOUTH CAROLINA	3,182	4,303	4,983	6,879	11,373	12,475	14,100	7,962
VIRGINIA	330,447	344,297	381,149	363,979	365,022	413,655	464,892	460,995
WEST VIRGINIA	9,223	10,563	12,778	15,872	20,292	43,929	70,004	104,862
EAST SOUTH CENTRAL ...	277,115	305,734	321,553	320,509	365,279	454,370	492,329	503,442

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TABLE 57B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INTRAMURAL PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	210,088	230,508	246,266	243,246	272,765	319,072	369,618	353,508
KENTUCKY	22,345	14,534	12,461	8,279	11,255	14,887	16,123	18,546
MISSISSIPPI	30,787	51,293	33,827	41,049	60,149	54,488	56,304	66,688
TENNESSEE	13,895	9,399	28,999	27,935	21,110	65,923	50,284	64,700
WEST SOUTH CENTRAL	227,812	222,633	262,921	291,987	299,656	313,246	335,941	364,233
ARKANSAS	8,433	7,177	13,393	17,203	15,594	23,418	23,168	14,213
LOUISIANA	18,341	7,247	22,397	25,562	27,010	29,984	30,260	32,445
OKLAHOMA	12,227	9,908	12,837	10,042	21,060	37,955	35,953	54,177
TEXAS	188,811	198,301	214,294	239,180	235,992	221,889	246,560	263,398
MOUNTAIN	356,040	324,996	364,932	393,135	442,739	494,471	478,667	495,819
ARIZONA	36,630	28,721	35,970	36,199	39,396	44,898	61,608	117,403
COLORADO	53,174	45,250	53,057	64,671	106,159	106,106	81,438	94,154
IDAHO	5,282	5,239	6,533	7,041	8,437	18,243	9,038	8,194
MONTANA	8,568	6,985	11,784	12,879	14,781	16,698	16,922	15,315
NEVADA	38,627	25,605	37,883	38,236	43,235	34,782	33,988	33,977
NEW MEXICO	180,409	186,548	187,183	195,291	190,974	216,106	211,800	145,717
UTAH	27,132	20,146	22,457	24,894	25,286	27,115	34,439	39,894
WYOMING	6,218	6,502	10,065	13,924	14,471	30,523	29,434	41,165
PACIFIC	676,572	697,162	795,766	863,147	805,746	959,292	1,057,942	1,026,052
ALASKA	16,320	11,381	21,123	22,636	22,283	22,301	23,089	21,650
CALIFORNIA	611,255	624,789	708,793	765,879	703,544	852,052	946,373	900,047
HAWAII	8,052	14,540	6,568	13,914	6,706	8,802	7,582	7,626
OREGON	24,087	21,228	35,177	36,194	28,923	32,143	33,179	29,477
WASHINGTON	16,858	25,224	24,105	24,524	44,290	43,994	47,719	67,252
OUTLYING AREAS	8,113	6,515	15,044	8,217	9,820	6,357	7,430	15,941
OFFICES ABROAD	38,363	39,962	31,119	29,512	24,707	23,071	41,635	52,592

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 58A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	8,292,607	8,034,030	8,356,820	8,424,464	8,361,555	9,012,938	10,126,907	12,137,955
NEW ENGLAND	480,985	545,887	593,419	631,656	803,273	801,509	859,623	999,104
CONNECTICUT	103,593	108,578	119,239	140,793	170,145	202,846	170,144	210,370
MAINE	5,465	3,589	7,314	1,693	2,086	1,691	4,349	4,772
MASSACHUSETTS	344,814	399,934	429,998	451,813	578,920	540,992	619,162	731,128
NEW HAMPSHIRE	15,614	19,096	6,380	14,812	12,950	15,382	17,809	12,557
RHODE ISLAND	7,207	8,003	15,650	13,652	23,013	21,110	19,143	15,980
VERMONT	4,292	6,687	14,838	8,893	16,159	19,488	29,016	24,297
MIDDLE ATLANTIC	1,716,898	1,592,054	1,516,463	1,320,732	1,210,688	1,238,942	1,335,263	1,333,176
NEW JERSEY	544,075	557,600	527,602	469,118	299,753	248,399	287,947	270,271
NEW YORK	843,312	708,150	624,263	471,624	542,523	529,823	557,200	592,428
PENNSYLVANIA	329,511	326,304	364,598	379,990	368,412	460,720	490,116	470,477
EAST NORTH CENTRAL ...	360,452	407,296	362,606	264,360	407,296	405,057	414,175	586,861
ILLINOIS	22,221	24,879	28,807	22,060	47,235	38,568	48,060	102,163
INDIANA	51,508	35,806	52,544	32,924	37,365	29,543	21,022	28,156
MICHIGAN	81,355	101,306	86,676	59,205	91,683	132,880	108,827	179,156
OHIO	175,176	209,454	181,672	138,749	227,237	200,918	232,396	271,709
WISCONSIN	30,192	35,851	13,107	11,422	3,776	3,148	3,870	5,677
WEST NORTH CENTRAL ...	314,734	589,865	701,112	607,165	368,062	325,332	399,896	655,288
IOWA	3,381	1,586	3,112	4,888	5,534	6,691	6,308	8,001
KANSAS	2,512	8,534	12,703	11,511	8,918	11,142	6,997	10,341
MINNESOTA	67,755	51,494	69,997	59,476	41,677	54,304	68,967	93,856
MISSOURI	237,707	523,845	613,496	530,540	306,663	251,040	314,090	535,252
NEBRASKA	2,500	255	425	212	1,815	2,024	1,979	3,024
NORTH DAKOTA	5	716	140	26	211	-	333	2,682
SOUTH DAKOTA	874	3,435	1,239	512	3,244	131	1,222	2,132
SOUTH ATLANTIC	967,911	1,062,145	1,215,069	1,272,041	1,134,910	1,150,944	1,206,394	1,502,983
DELAWARE	13,699	8,394	11,587	6,322	3,658	1,411	1,054	7,287
DIST OF COLUMBIA ...	70,214	76,893	66,373	94,488	83,087	96,902	79,731	141,377
FLORIDA	467,791	496,985	624,804	573,163	387,303	321,926	308,074	422,253
GEORGIA	21,635	26,434	13,842	11,349	10,480	11,065	10,452	17,576
MARYLAND	295,838	327,870	355,374	390,572	410,823	421,674	486,098	519,251
NORTH CAROLINA	5,632	4,903	5,277	6,124	5,810	4,489	6,767	8,780
SOUTH CAROLINA	8,931	9,336	10,882	11,290	14,014	3,593	10,377	40,151
VIRGINIA	83,401	101,458	126,851	175,019	216,840	271,704	297,506	333,616
WEST VIRGINIA	770	9,872	79	3,714	2,895	18,180	6,335	12,692
EAST SOUTH CENTRAL ...	323,877	305,118	284,098	313,850	319,043	318,684	451,359	637,648

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TABLE 58A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	164,500	139,212	127,561	136,414	111,613	84,700	92,922	121,833
KENTUCKY	737	572	713	1,215	1,941	6,384	26,476	22,841
MISSISSIPPI	1,631	17,863	8,272	14,999	13,077	12,512	17,705	22,824
TENNESSEE	157,009	147,471	147,552	161,222	192,412	215,068	314,256	470,150
WEST SOUTH CENTRAL	522,174	393,814	424,489	406,150	368,207	422,444	534,491	604,168
ARKANSAS	2,236	8,529	822	544	283	178	1,968	536
LOUISIANA	107,902	51,261	61,031	49,549	41,366	54,856	74,601	101,100
OKLAHOMA	4,538	4,825	1,895	3,055	3,416	2,153	6,086	7,700
TEXAS	407,498	329,199	360,741	353,002	323,142	365,257	451,836	494,832
MOUNTAIN	610,023	524,202	615,483	648,023	567,772	526,762	585,350	801,808
ARIZONA	23,804	30,125	38,654	30,388	40,272	47,238	55,891	65,028
COLORADO	181,669	148,045	249,893	286,424	193,712	129,466	94,496	120,648
IDAHO	52,092	50,832	55,917	60,192	30,194	34,690	39,061	83,590
MONTANA	1,933	1,026	2,268	1,622	1,487	1,151	5,891	23,977
NEVADA	142,549	111,556	91,512	92,741	79,919	100,095	127,319	129,039
NEW MEXICO	188,928	172,844	168,155	165,244	206,351	189,672	219,324	301,857
UTAH	19,047	9,695	9,035	11,411	15,821	23,678	43,327	73,910
WYOMING	1	79	49	1	16	772	41	3,759
PACIFIC	2,981,769	2,607,809	2,639,460	2,960,179	3,181,544	3,818,757	4,336,874	4,990,980
ALASKA	23,886	26,987	21,678	7,851	3,107	1,878	1,526	1,172
CALIFORNIA	2,638,744	2,073,964	2,148,984	2,481,137	2,627,000	3,235,692	3,765,150	4,302,752
HAWAII	21,149	18,399	22,115	21,789	19,328	16,963	7,476	9,041
OREGON	127	677	2,761	918	1,573	3,483	3,769	4,592
WASHINGTON	297,863	487,782	443,922	468,484	530,536	560,741	558,953	673,423
OUTLYING AREAS	6,630	1,479	511	290	465	865	1,141	23,685
OFFICES ABROAD	7,154	4,361	4,110	18	295	3,662	2,341	2,254

1/ INCLUDES FFRDC'S (FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS) ADMINISTERED BY INDUSTRIAL FIRMS.

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 58B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	8,424,464	8,361,555	9,012,938	10,126,907	12,137,955	12,949,588	14,042,247	15,630,456
NEW ENGLAND	631,656	803,273	801,509	859,623	999,104	1,117,659	1,435,714	1,483,385
CONNECTICUT	140,793	170,145	202,846	170,144	210,370	208,065	218,513	348,982
MAINE	1,693	2,086	1,691	4,349	4,772	6,678	4,786	5,375
MASSACHUSETTS	451,813	578,920	540,992	619,162	731,128	839,940	1,121,206	1,066,775
NEW HAMPSHIRE	14,812	12,950	15,382	17,809	12,557	45,270	64 691	17,523
RHODE ISLAND	13,652	23,013	21,110	19,143	15,980	15,871	1 970	19,254
VERMONT	8,893	16,159	19,488	29,016	24,297	3,835	9,548	25,476
MIDDLE ATLANTIC	1,320,732	1,210,688	1,238,942	1,335,263	1,333,176	1,433,065	1,565,671	1,484,801
NEW JERSEY	469,118	299,753	248,399	287,947	270,271	251,229	309,477	312,932
NEW YORK	471,624	542,523	529,823	557,200	592,428	592,500	623,565	669,306
PENNSYLVANIA	379,990	368,412	460,720	490,116	470,477	589,336	632,629	502,563
EAST NORTH CENTRAL ...	264,360	407,296	405,057	414,175	586,861	615,374	591,103	725,897
ILLINOIS	22,060	47,235	38,568	48,060	102,163	101,547	49,568	85,168
INDIANA	32,924	37,365	29,543	21,022	28,156	27,699	32,093	49,278
MICHIGAN	59,205	91,683	132,880	108,827	179,156	197,764	92,468	178,930
OHIO	138,749	227,237	200,918	232,396	271,709	275,789	411,586	406,456
WISCONSIN	11,422	3,776	3,148	3,870	5,677	12,575	5,388	6,065
WEST NORTH CENTRAL ...	607,165	368,062	325,332	399,896	655,288	877,804	866,020	1,179,834
IOWA	4,888	5,534	6,691	6,308	8,001	7,425	12,529	49,525
KANSAS	11,511	8,918	11,142	6,997	10,341	77,907	106,521	318,170
MINNESOTA	59,476	41,677	54,304	68,967	93,856	71,703	87,087	128,379
MISSOURI	530,540	306,663	251,040	314,090	535,252	711,922	647,209	673,936
NEBRASKA	212	1,815	2,024	1,979	3,024	2,238	5,137	4,118
NORTH DAKOTA	26	211	-	333	2,682	6,468	7,296	5,283
SOUTH DAKOTA	512	3,244	131	1,222	2,132	141	241	423
SOUTH ATLANTIC	1,272,041	1,134,910	1,150,944	1,206,394	1,502,983	1,682,649	1,827,809	2,251,663
DELAWARE	6,322	3,658	1,411	1,054	7,287	1,885	1,807	3,607
DIST OF COLUMBIA ...	94,488	83,087	96,902	79,731	141,377	97,281	12[illegible],504	129,706
FLORIDA	573,163	387,303	321,926	308,074	422,253	469,017	566,744	813,159
GEORGIA	11,349	10,480	11,065	10,452	17,576	47,164	52,518	31,540
MARYLAND	390,572	410,823	421,674	486,098	519,251	596,004	610,357	706,910
NORTH CAROLINA	6,124	5,810	4,489	6,767	8,780	15,481	13,742	22,575
SOUTH CAROLINA	11,290	14,014	3,593	10,377	40,151	88,976	74,350	56,853
VIRGINIA	175,019	216,840	271,704	297,506	333,616	359,324	379,334	468,422
WEST VIRGINIA	3,714	2,895	18,180	6,335	12,692	7,517	5,453	18,891
EAST SOUTH CENTRAL ...	313,850	319,043	318,664	451,359	637,648	676,821	692,611	819,067

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TABLE 58B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY INDUSTRIAL PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	136,414	111,613	84,700	92,922	121,833	116,601	137,901	143,294
KENTUCKY	1,215	1,941	6,384	26,476	22,841	25,625	4,943	67,064
MISSISSIPPI	14,999	13,077	12,512	17,705	22,824	17,310	21,573	21,945
TENNESSEE	161,222	192,412	215,068	314,256	470,150	517,285	528,194	586,764
WEST SOUTH CENTRAL	406,150	368,107	422,444	534,491	604,168	796,591	842,447	915,780
ARKANSAS	544	283	178	1,968	536	6,442	2,526	3,810
LOUISIANA	49,549	41,366	54,856	74,601	101,100	101,523	146,157	198,833
OKLAHOMA	3,055	3,416	2,153	6,086	7,700	45,473	12,595	13,863
TEXAS	353,002	323,142	365,257	451,836	494,832	643,153	681,169	699,274
MOUNTAIN	648,023	567,772	526,762	585,350	801,808	1,037,951	1,075,393	1,329,646
ARIZONA	30,388	40,272	47,238	55,891	65,028	75,703	78,153	158,374
COLORADO	286,424	193,712	129,466	94,496	120,648	166,085	173,693	267,887
IDAHO	60,192	30,194	34,690	39,061	83,590	79,009	101,728	108,033
MONTANA	1,622	1,487	1,151	5,891	23,977	1,210	11,736	18,964
NEVADA	92,741	79,919	100,095	127,319	129,039	153,140	176,499	168,936
NEW MEXICO	165,244	206,351	189,672	219,324	301,857	468,808	409,963	453,933
UTAH	11,411	15,821	23,678	43,327	73,910	88,844	123,200	152,419
WYOMING	1	16	772	41	3,759	5,152	421	1,100
PACIFIC	2,960,179	3,181,544	3,818,757	4,336,874	4,990,980	4,685,507	5,123,817	5,404,045
ALASKA	7,851	3,107	1,878	1,526	1,172	506	1,692	1,971
CALIFORNIA	2,461,137	2,627,000	3,235,692	3,765,150	4,302,752	4,020,292	4,473,209	4,717,238
HAWAII	21,789	19,328	16,963	7,476	9,041	9,350	5,824	5,172
OREGON	918	1,573	3,483	3,769	4,592	5,886	7,276	8,496
WASHINGTON	468,484	530,536	560,741	558,953	673,423	649,473	635,816	671,168
OUTLYING AREAS	290	465	865	1,141	23,685	17,413	15,465	16,449
OFFICES ABROAD	18	295	3,662	2,341	2,254	8,754	6,197	19,889

1/ INCLUDES FFRDC'S (FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS) ADMINISTERED BY INDUSTRIAL FIRMS.

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 59A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	1,438,415	1,618,997	1,873,248	1,888,662	2,169,995	2,359,019	2,498,204	2,833,972
NEW ENGLAND	198,048	215,916	248,300	240,523	258,477	299,109	313,029	390,584
CONNECTICUT	25,713	31,702	36,561	37,607	48,558	49,041	53,170	62,086
MAINE	1,426	2,262	2,003	1,672	2,039	2,852	3,958	4,797
MASSACHUSETTS	150,649	159,397	184,178	175,334	179,615	215,568	222,577	285,102
NEW HAMPSHIRE	7,133	7,695	7,177	7,274	8,165	7,981	8,835	11,015
RHODE ISLAND	9,637	10,684	13,264	12,247	13,175	14,405	16,672	17,662
VERMONT	3,490	4,176	5,117	6,389	6,925	9,262	7,817	9,922
MIDDLE ATLANTIC	258,715	287,044	333,362	335,922	385,588	427,939	437,100	482,759
NEW JERSEY	23,791	25,672	29,840	26,338	30,490	35,776	32,648	37,348
NEW YORK	166,690	179,337	210,801	213,821	243,438	266,667	276,865	308,891
PENNSYLVANIA	68,234	82,035	92,721	95,763	111,660	125,496	127,587	136,520
EAST NORTH CENTRAL ...	235,017	264,806	302,309	293,778	326,563	334,871	361,765	400,034
ILLINOIS	81,289	87,708	98,696	95,194	103,186	109,204	121,729	125,515
INDIANA	24,666	28,325	33,637	33,652	38,463	39,472	45,492	48,040
MICHIGAN	49,894	58,087	65,861	57,946	64,238	65,755	69,494	84,519
OHIO	41,328	47,091	54,193	54,442	60,211	59,697	63,587	70,944
WISCONSIN	37,840	43,595	49,922	52,544	60,465	60,743	61,463	71,016
WEST NORTH CENTRAL ...	88,455	102,236	117,462	119,748	138,213	148,042	158,428	176,508
IOWA	14,781	17,855	19,835	19,594	25,399	23,433	23,046	29,040
KANSAS	10,844	12,158	13,220	12,706	14,896	15,738	17,136	18,790
MINNESOTA	24,866	27,520	32,182	33,121	37,704	40,950	47,545	48,947
MISSOURI	27,703	32,683	38,620	40,171	47,207	49,861	50,608	59,848
NEBRASKA	5,167	5,849	7,401	8,156	7,776	11,336	11,984	13,031
NORTH DAKOTA	2,545	2,608	2,651	2,497	2,815	4,021	4,962	3,934
SOUTH DAKOTA	2,549	3,563	3,553	3,503	2,416	2,703	3,147	2,918
SOUTH ATLANTIC	175,813	188,333	232,538	229,064	275,783	301,171	323,167	392,546
DELAWARE	1,593	2,409	3,451	3,029	3,886	5,308	5,459	6,610
DIST OF COLUMBIA ...	16,945	17,161	22,329	20,385	26,841	27,521	30,132	68,971
FLORIDA	31,106	32,019	39,519	39,201	44,317	49,607	49,008	55,766
GEORGIA	22,603	19,990	25,981	25,845	30,388	35,913	38,578	40,058
MARYLAND	40,071	47,029	56,325	58,942	68,484	72,187	78,895	89,645
NORTH CAROLINA	37,148	40,582	50,675	48,074	59,832	60,353	68,825	70,692
SOUTH CAROLINA	4,738	5,865	6,460	7,057	8,311	12,452	10,640	13,626
VIRGINIA	16,134	17,612	21,792	21,911	29,248	31,979	36,809	42,024
WEST VIRGINIA	5,475	5,666	6,006	4,620	4,476	5,851	4,821	5,154
EAST SOUTH CENTRAL ...	46,877	52,398	65,825	63,357	77,391	85,848	91,596	100,996

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TABLE 59A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	12,116	14,701	21,882	20,584	24,786	26,156	29,430	30,529
KENTUCKY	9,191	9,145	9,830	8,503	11,297	12,520	13,101	14,527
MISSISSIPPI	6,121	6,498	9,017	8,039	10,014	10,359	11,464	11,377
TENNESSEE	19,449	22,054	25,096	26,231	31,294	36,813	37,601	44,563
WEST SOUTH CENTRAL	87,309	100,747	113,788	112,428	145,051	153,900	162,277	183,470
ARKANSAS	4,796	5,992	5,338	4,749	4,798	6,982	5,737	7,535
LOUISIANA	15,286	15,652	18,221	17,035	19,722	18,847	19,296	20,981
OKLAHOMA	8,230	9,399	9,694	11,104	11,390	13,531	12,183	13,999
TEXAS	58,997	69,704	80,535	79,540	109,141	114,540	125,061	140,955
MOUNTAIN	73,145	86,843	97,082	99,747	114,573	130,026	133,719	150,905
ARIZONA	8,608	12,600	12,670	14,183	16,649	20,427	20,085	26,118
COLORADO	29,156	31,960	37,117	38,179	42,688	44,753	49,407	54,872
IDAHO	1,821	2,363	1,826	1,867	1,998	4,774	2,919	5,943
MONTANA	2,556	3,356	4,085	3,044	3,678	6,944	4,829	5,181
NEVADA	2,711	2,894	3,568	3,367	2,765	3,248	2,874	3,744
NEW MEXICO	9,942	9,432	9,335	9,985	13,744	15,644	18,850	18,850
UTAH	15,689	21,417	24,612	25,617	29,555	29,524	30,029	30,907
WYOMING	2,662	2,821	3,869	3,505	3,496	4,712	4,726	5,290
PACIFIC	270,304	315,037	357,158	387,555	440,294	470,499	509,842	547,164
ALASKA	5,586	9,025	7,627	10,574	8,728	9,193	8,480	9,991
CALIFORNIA	205,835	235,445	263,218	286,336	325,017	351,419	383,002	406,641
HAWAII	10,756	11,491	13,865	14,451	16,245	17,360	22,177	19,081
OREGON	14,898	20,258	22,229	25,272	25,398	28,486	32,086	38,606
WASHINGTON	33,229	38,818	50,219	50,922	64,906	64,041	64,097	72,845
OUTLYING AREAS	4,277	5,510	5,019	5,893	7,297	7,422	7,281	8,584
OFFICES ABROAD	455	127	405	647	765	192	-	422

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 59B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	1,888,662	2,169,995	2,359,019	2,498,204	2,833,972	3,340,111	3,740,394	4,087,407
NEW ENGLAND	240,523	258,477	299,109	313,029	390,584	477,547	489,960	586,893
CONNECTICUT	37,607	48,558	49,041	53,170	62,086	70,793	83,887	97,940
MAINE	1,672	2,039	2,852	3,958	4,797	5,006	4,839	5,323
MASSACHUSETTS	175,334	179,615	215,568	222,577	285,102	358,916	351,306	426,963
NEW HAMPSHIRE	7,274	8,165	7,981	8,835	11,015	12,178	14,460	17,377
RHODE ISLAND	12,247	13,175	14,405	16,672	17,662	19,570	23,652	26,983
VERMONT	6,389	6,925	9,262	7,817	9,922	11,084	11,816	12,307
MIDDLE ATLANTIC	335,922	385,588	427,939	437,100	482,759	556,825	615,582	699,934
NEW JERSEY	26,338	30,490	35,776	32,648	37,348	41,538	43,613	53,243
NEW YORK	213,821	243,438	266,667	276,865	308,891	337,972	378,044	426,620
PENNSYLVANIA	95,763	111,660	125,496	127,587	136,520	177,315	193,925	220,071
EAST NORTH CENTRAL ...	293,778	326,563	334,871	361,765	400,034	462,700	515,039	580,001
ILLINOIS	95,194	103,186	109,204	121,729	125,515	136,516	154,005	164,933
INDIANA	33,652	38,463	39,472	45,492	48,040	53,269	55,863	74,922
MICHIGAN	57,946	64,238	65,755	69,494	84,519	101,151	100,043	112,623
OHIO	54,442	60,211	59,697	63,587	70,944	90,931	120,003	113,386
WISCONSIN	52,544	60,465	60,743	61,463	71,016	80,833	85,325	94,137
WEST NORTH CENTRAL ...	119,748	138,213	148,042	150,428	176,508	199,415	231,566	263,064
IOWA	19,594	25,399	23,433	23,046	29,040	33,204	43,842	44,593
KANSAS	12,706	14,896	15,738	17,136	18,790	21,991	23,218	28,961
MINNESOTA	33,121	37,704	40,950	47,545	48,947	58,962	64,282	78,522
MISSOURI	40,171	47,207	49,861	50,608	59,848	64,127	73,011	79,259
NEBRASKA	8,156	7,776	11,336	11,984	13,031	12,320	16,500	18,203
NORTH DAKOTA	2,497	2,815	4,021	4,962	3,934	5,005	6,018	8,675
SOUTH DAKOTA	3,503	2,416	2,703	3,147	2,918	3,806	4,695	4,851
SOUTH ATLANTIC	229,064	275,783	301,171	323,167	392,546	485,181	604,188	594,561
DELAWARE	3,029	3,886	5,308	5,459	6,610	6,940	9,262	10,018
DIST OF COLUMBIA ...	20,385	26,841	27,521	30,132	68,971	38,912	70,415	41,947
FLORIDA	39,201	44,317	49,607	49,008	55,766	62,912	69,058	71,400
GEORGIA	25,845	30,388	35,913	38,578	40,058	46,064	54,593	62,669
MARYLAND	58,942	68,484	72,187	78,895	89,645	174,289	211,880	206,326
NORTH CAROLINA	48,074	59,832	60,353	68,825	70,692	84,616	105,617	107,843
SOUTH CAROLINA	7,057	8,311	12,452	10,640	13,626	14,260	18,675	20,949
VIRGINIA	21,911	29,248	31,979	36,809	42,024	50,533	56,246	60,950
WEST VIRGINIA	4,620	4,476	5,851	4,821	5,154	6,655	8,442	12,459
EAST SOUTH CENTRAL ...	63,357	77,391	85,848	91,596	100,996	114,169	133,686	136,479

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TABLE 59B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY UNIVERSITY AND COLLEGE PERFORMERS, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	20,584	24,786	26,156	29,430	30,529	34,369	40,746	44,814
KENTUCKY	8,503	11,297	12,520	13,101	14,527	16,912	18,991	19,695
MISSISSIPPI	8,039	10,014	10,359	11,464	11,377	13,896	20,761	17,218
TENNESSEE	26,231	31,294	36,813	37,601	44,563	48,992	53,188	54,752
WEST SOUTH CENTRAL	112,428	145,051	153,900	162,277	183,470	222,574	234,678	260,531
ARKANSAS	4,749	4,798	6,982	5,737	7,535	11,425	9,458	9,071
LOUISIANA	17,035	19,722	18,847	19,296	20,981	24,062	26,745	34,065
OKLAHOMA	11,104	11,390	13,531	12,183	13,999	15,345	15,845	19,612
TEXAS	79,540	109,141	114,540	125,061	140,955	171,742	182,630	197,783
MOUNTAIN	99,747	114,573	130,026	133,719	150,905	184,016	212,954	219,750
ARIZONA	14,183	16,649	20,427	20,085	26,118	30,379	43,502	38,805
COLORADO	38,179	42,688	44,753	49,407	54,872	63,599	65,067	80,941
IDAHO	1,867	1,998	4,774	2,919	5,943	4,977	4,520	4,893
MONTANA	3,044	3,678	6,944	4,829	5,181	4,977	6,330	5,861
NEVADA	3,367	2,765	3,248	2,874	3,744	3,551	5,474	5,132
NEW MEXICO	9,985	13,744	15,644	18,850	18,850	31,293	32,399	32,732
UTAH	25,617	29,555	29,524	30,029	30,907	41,209	45,931	43,534
WYOMING	3,505	3,496	4,712	4,726	5,290	4,031	9,731	7,852
PACIFIC	387,555	440,294	470,499	509,842	547,164	628,130	692,655	756,119
ALASKA	10,574	8,728	9,193	8,480	9,991	19,257	14,176	13,628
CALIFORNIA	286,336	325,017	351,419	383,002	406,641	463,715	518,088	569,128
HAWAII	14,451	16,245	17,360	22,177	19,081	22,885	24,630	26,147
OREGON	25,272	25,398	28,486	32,086	38,606	39,661	40,892	44,984
WASHINGTON	50,922	64,906	64,041	64,097	72,845	82,612	94,869	102,232
OUTLYING AREAS	5,893	7,297	7,422	7,281	8,584	8,976	10,053	9,210
OFFICES ABROAD	647	765	192	-	422	578	33	865

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 60A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT PERFORMED BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	748,391	728,317	760,140	724,775	787,090	928,098	1,049,319	1,304,569
NEW ENGLAND	61,842	62,082	52,784	62,245	58,601	67,019	61,945	65,062
MASSACHUSETTS	61,842	62,082	52,784	62,245	58,601	67,019	61,945	65,062
MIDDLE ATLANTIC	79,589	73,743	73,374	81,166	86,526	102,623	126,490	152,252
NEW JERSEY	11,588	9,500	7,970	20,223	15,680	23,265	31,419	40,262
NEW YORK	58,909	54,922	57,663	55,252	63,142	72,467	84,321	98,559
PENNSYLVANIA	9,092	9,321	7,741	5,691	7,704	6,891	10,750	13,431
EAST NORTH CENTRAL ...	79,511	77,614	91,158	93,048	106,139	142,328	166,127	197,615
ILLINOIS	76,933	76,020	89,321	93,048	106,139	142,328	166,127	196,975
INDIANA	-	91	-	-	-	-	-	640
WISCONSIN	2,578	1,503	1,837	-	-	-	-	-
WEST NORTH CENTRAL ...	7,476	6,814	6,477	6,062	6,280	7,774	8,475	11,457
IOWA	7,476	6,814	6,477	6,062	6,280	7,774	8,475	11,457
SOUTH ATLANTIC	60,661	66,101	72,954	70,238	82,528	79,492	77,690	133,319
DIST OF COLUMBIA ...	1,532	-	-	-	-	1,349	-	704
GEORGIA	339	-	-	-	-	-	-	-
MARYLAND	52,449	58,330	65,876	64,048	75,148	72,025	71,583	124,517
NORTH CAROLINA	-	-	-	-	250	-	-	-
VIRGINIA	1,161	1,371	488	358	3,030	549	772	831
WEST VIRGINIA	5,180	6,400	6,590	5,832	4,100	5,569	5,335	7,267
EAST SOUTH CENTRAL ...	1,868	2,796	2,293	2,292	2,976	3,431	2,949	3,672
TENNESSEE	1,868	2,796	2,293	2,292	2,976	3,431	2,949	3,672
WEST SOUTH CENTRAL ...	-	671	1,486	70	1,677	-	71	-
ARKANSAS	-	-	-	-	-	-	-	-
OKLAHOMA	-	-	681	-	-	-	-	-
TEXAS	-	671	805	70	1,677	-	71	-
MOUNTAIN	143,051	142,806	144,070	142,373	160,731	204,822	242,904	281,044
ARIZONA	6,419	6,073	7,244	7,780	9,117	8,374	7,498	8,700
COLORADO	12,968	16,186	21,083	19,365	19,758	20,128	22,915	21,022
IDAHO	13,443	14,581	10,865	12,883	12,974	18,921	21,204	19,207
NEVADA	9,746	6,287	4,206	3,830	-	3,694	4,464	1,466
NEW MEXICO	99,819	99,679	100,672	98,515	118,882	153,705	186,823	230,649
UTAH	656	-	-	-	-	-	-	-

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TABLE 60A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT PERFORMED BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
PACIFIC	311,393	291,803	310,841	262,267	277,204	316,951	355,855	452,750
CALIFORNIA	308,257	289,361	307,164	262,267	277,204	316,951	355,855	452,750
OREGON	596	485	1,811	-	-	-	-	-
WASHINGTON	2,540	1,957	1,668	-	-	-	-	-
OUTLYING AREAS	1,400	3,887	2,788	2,530	2,825	2,700	3,776	3,898
OFFICES ABROAD	1,600	-	2,115	2,484	1,603	958	3,037	3,500

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 608. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT PERFORMED BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	724,775	787,090	928,098	1,049,319	1,304,569	1,303,813	1,485,922	1,564,395
NEW ENGLAND	62,245	58,601	67,019	61,945	65,062	66,008	93,001	103,211
MASSACHUSETTS	62,245	58,601	67,019	61,945	65,062	66,008	93,001	103,211
MIDDLE ATLANTIC	81,166	86,526	102,623	126,490	152,252	143,481	167,034	[illegible],943
NEW JERSEY	20,223	15,680	23,265	31,419	40,262	37,326	49,529	[illegible],736
NEW YORK	55,252	63,142	72,467	84,321	98,559	106,155	117,505	[illegible],207
PENNSYLVANIA	5,691	7,704	6,891	10,750	13,431	-	-	-
EAST NORTH CENTRAL ...	93,048	106,139	142,328	166,127	197,615	242,373	252,348	253,998
ILLINOIS	93,048	106,139	142,328	166,127	196,975	242,373	252,348	253,565
INDIANA	-	-	-	-	640	-	-	433
WISCONSIN	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL ...	6,062	6,280	7,774	8,475	11,457	12,921	12,836	13,259
IOWA	6,062	6,280	7,774	8,475	11,457	12,921	12,836	13,259
SOUTH ATLANTIC	70,238	82,528	79,492	77,690	133,319	10,478	19,029	29,897
DIST OF COLUMBIA ...	-	-	1,349	-	704	-	-	-
GEORGIA	-	-	-	-	-	-	-	-
MARYLAND	64,048	75,148	72,025	71,583	124,517	595	300	3,300
NORTH CAROLINA	-	250	-	-	-	-	775	-
VIRGINIA	358	3,030	549	772	831	612	25	13,637
WEST VIRGINIA	5,832	4,100	5,569	5,335	7,267	9,271	17,929	12,960
EAST SOUTH CENTRAL ...	2,292	2,976	3,431	2,949	3,672	4,463	4,872	4,988
TENNESSEE	2,292	2,976	3,431	2,949	3,672	4,463	4,872	4,988
WEST SOUTH CENTRAL ...	70	1,677	-	71	-	-	-	370
ARKANSAS	-	-	-	-	-	-	-	220
OKLAHOMA	-	-	-	-	-	-	-	-
TEXAS	70	1,677	-	71	-	-	-	150
MOUNTAIN	142,373	160,731	204,822	242,904	281,044	290,687	350,473	365,802
ARIZONA	7,780	9,117	8,374	7,498	8,700	9,126	14,051	14,883
COLORADO	19,365	19,758	20,128	22,915	21,022	23,143	27,435	26,816
IDAHO	12,883	12,974	18,921	21,204	19,207	-	23,070	19,791
NEVADA	3,830	-	3,694	4,464	1,466	-	-	-
NEW MEXICO	98,515	118,882	153,705	186,823	230,649	258,418	285,917	304,312
UTAH	-	-	-	-	-	-	-	-

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TABLE 60B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT PERFORMED BY FFRDC'S ADMINISTERED BY UNIVERSITIES, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
PACIFIC	262,267	277,204	316,951	355,855	452,750	525,258	581,804	630,286
CALIFORNIA	262,267	277,204	316,951	355,855	452,750	525,258	581,804	630,286
OREGON	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-
OUTLYING AREAS	2,530	2,825	2,700	3,778	3,898	4,259	4,525	2,641
OFFICES ABROAD	2,484	1,603	958	3,037	3,500	3,885	-	-

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 61A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
TOTAL, ALL STATES	683,367	681,906	727,175	751,059	818,914	820,716	842,723	948,460
NEW ENGLAND	89,363	95,990	104,946	111,516	184,535	185,653	187,877	206,188
CONNECTICUT	2,148	2,197	2,912	3,538	3,357	4,571	3,680	3,727
MAINE	1,930	4,693	2,724	2,867	3,172	3,387	4,003	4,623
MASSACHUSETTS	83,272	80,139	97,285	102,262	174,590	169,764	176,810	193,822
NEW HAMPSHIRE	35	3,310	302	228	774	4,844	519	589
RHODE ISLAND	1,164	3,777	1,355	1,832	2,112	2,227	2,312	2,833
VERMONT	814	1,874	368	789	530	860	553	594
MIDDLE ATLANTIC	106,765	118,440	124,388	131,868	122,210	136,153	123,169	129,572
NEW JERSEY	6,731	6,312	7,854	5,453	5,622	5,145	5,053	4,681
NEW YORK	75,179	87,083	86,157	93,614	73,629	73,828	76,341	82,892
PENNSYLVANIA	24,855	25,045	30,377	32,801	42,959	57,182	41,775	41,999
EAST NORTH CENTRAL ...	73,380	63,666	81,887	71,471	69,674	70,524	76,906	75,171
ILLINOIS	28,409	25,488	31,622	26,870	25,351	27,395	28,214	30,607
INDIANA	1,154	914	4,033	2,035	981	1,375	1,105	1,086
MICHIGAN	4,295	4,436	4,913	8,297	9,322	11,027	8,706	14,357
OHIO	33,009	30,545	37,930	30,474	31,204	28,570	37,688	27,556
WISCONSIN	6,513	2,283	3,389	3,795	2,816	2,157	1,193	1,565
WEST NORTH CENTRAL ...	19,199	21,094	29,140	30,158	29,480	24,556	27,120	37,393
IOWA	528	498	825	267	661	149	234	19
KANSAS	303	319	621	862	384	596	720	780
MINNESOTA	7,476	9,093	12,503	12,338	15,443	15,454	15,614	21,498
MISSOURI	9,095	10,784	14,419	14,762	12,863	7,742	10,155	14,234
NEBRASKA	121	243	289	593	25	302	222	100
NORTH DAKOTA	1,221	66	225	625	47	216	175	506
SOUTH DAKOTA	455	91	258	711	57	97	-	256
SOUTH ATLANTIC	109,310	104,240	100,223	100,676	114,387	92,517	112,858	126,877
DELAWARE	131	1,123	595	316	1,100	1,342	323	385
DIST OF COLUMBIA ...	47,920	36,408	37,757	39,472	38,312	30,572	37,703	40,508
FLORIDA	2,399	1,602	4,284	4,137	3,476	3,743	2,520	3,038
GEORGIA	4,563	3,530	3,235	1,733	1,014	1,484	797	3,197
MARYLAND	11,773	16,485	9,283	8,460	18,805	11,678	10,840	8,955
NORTH CAROLINA	7,314	5,743	6,522	7,084	5,313	5,534	12,432	17,011
SOUTH CAROLINA	1,050	1,812	179	621	382	108	41	240
VIRGINIA	32,468	36,008	31,550	35,400	43,497	36,435	46,617	52,188
WEST VIRGINIA	1,692	1,529	6,818	3,453	2,488	1,621	1,585	1,355
EAST SOUTH CENTRAL ...	12,777	18,020	13,264	17,563	13,890	9,759	12,236	15,834

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TABLE 61A. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-77

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977
ALABAMA	3,642	6,236	7,292	7,696	9,300	4,508	7,492	7,609
KENTUCKY	631	5,030	1,032	3,364	392	1,130	677	2,266
MISSISSIPPI	2,991	1,292	1,776	2,427	375	236	274	458
TENNESSEE	5,513	5,462	3,164	4,076	3,823	3,885	3,793	5,499
WEST SOUTH CENTRAL	15,486	25,343	27,299	34,356	19,584	18,949	17,814	24,423
ARKANSAS	880	4,270	736	1,485	130	567	138	156
LOUISIANA	2,344	3,354	3,690	3,631	3,489	1,941	2,444	2,279
OKLAHOMA	3,837	3,668	5,015	6,649	2,469	3,532	1,767	3,236
TEXAS	8,425	14,051	17,858	22,591	13,496	12,909	13,465	18,752
MOUNTAIN	23,851	31,996	24,098	28,331	26,203	30,430	23,657	28,929
ARIZONA	1,852	7,556	2,440	2,775	2,519	2,352	900	1,007
COLORADO	7,930	7,667	6,520	7,977	12,039	9,608	7,864	13,025
IDAHO	2,562	2,165	396	514	481	400	483	439
MONTANA	772	5,487	228	4,996	580	5,467	2,748	112
NEVADA	369	569	4,124	4,048	3,486	3,966	5,764	5,390
NEW MEXICO	7,102	7,415	8,481	7,161	5,412	6,837	4,520	7,795
UTAH	3,249	1,097	1,906	847	1,097	1,631	1,364	1,161
WYOMING	15	40	3	13	589	169	14	-
PACIFIC	228,807	197,618	216,696	218,177	232,125	244,114	252,867	295,883
ALASKA	1,187	3,409	1,390	4,207	302	137	783	182
CALIFORNIA	159,710	166,555	186,627	180,858	195,044	194,676	193,931	204,007
HAWAII	1,833	1,382	2,471	2,686	2,037	1,460	1,220	1,735
OREGON	8,242	6,396	7,192	9,839	8,908	9,346	10,221	9,938
WASHINGTON	57,835	19,876	19,016	20,587	25,834	38,495	46,712	80,021
OUTLYING AREAS	156	835	234	1,408	313	139	70	480
OFFICES ABROAD	4,273	4,664	5,000	5,535	6,513	7,922	8,149	7,710

1/ INCLUDES FFRDC'S (FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS) ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS.

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 61B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
TOTAL, ALL STATES	751,059	818,914	820,716	842,723	948,460	1,133,588	1,218,585	1,337,122
NEW ENGLAND	111,516	184,535	185,653	187,877	206,188	256,314	267,280	295,339
CONNECTICUT	3,538	3,357	4,571	3,680	3,727	3,795	4,826	3,606
MAINE	2,867	3,172	3,387	4,003	4,623	5,562	7,107	7,286
MASSACHUSETTS	102,262	174,590	169,764	176,810	193,822	241,961	248,135	277,502
NEW HAMPSHIRE	228	774	4,844	519	589	758	567	451
RHODE ISLAND	1,832	2,112	2,227	2,312	2,833	3,869	5,688	5,628
VERMONT	789	530	860	553	594	369	957	866
MIDDLE ATLANTIC	131,868	122,210	136,153	123,169	129,572	143,904	156,581	172,352
NEW JERSEY	5,453	5,622	5,145	5,053	4,681	4,763	7,093	7,475
NEW YORK	93,614	73,629	73,826	76,341	82,892	87,585	93,413	104,223
PENNSYLVANIA	32,801	42,959	57,182	41,775	41,999	51,556	56,075	60,654
EAST NORTH CENTRAL ...	71,471	69,674	70,524	76,906	75,171	85,030	96,732	95,833
ILLINOIS	26,870	25,351	27,395	28,214	30,607	32,535	38,753	39,520
INDIANA	2,035	981	1,375	1,105	1,086	1,360	2,464	1,918
MICHIGAN	8,297	9,322	11,027	8,706	14,357	14,659	12,382	20,582
OHIO	30,474	31,204	28,570	37,688	27,556	35,070	40,124	31,731
WISCONSIN	3,795	2,816	2,157	1,193	1,565	1,406	3,009	2,082
WEST NORTH CENTRAL ...	30,158	29,480	24,556	27,120	37,393	43,125	39,108	42,163
IOWA	267	661	149	234	19	307	1,407	448
KANSAS	862	384	596	720	780	931	1,455	878
MINNESOTA	12,338	15,443	15,454	15,614	21,498	21,749	24,551	27,471
MISSOURI	14,762	12,863	7,742	10,155	14,234	14,809	10,556	12,361
NEBRASKA	593	25	302	222	100	4,821	568	588
NORTH DAKOTA	625	47	216	175	506	-	219	291
SOUTH DAKOTA	711	57	97	-	256	508	352	128
SOUTH ATLANTIC	100,676	114,387	92,517	112,858	126,877	135,205	137,540	148,856
DELAWARE	316	1,100	1,342	323	385	917	1,623	830
DIST OF COLUMBIA ...	39,472	38,312	30,572	37 703	40,508	47,709	45,602	52,627
FLORIDA	4,137	3,476	3,743	2,520	3,038	4,953	9,695	5,854
GEORGIA	1,733	1,014	1,484	797	3,197	4,865	4,897	5,071
MARYLAND	8,460	18,805	11,678	10,840	8,955	18,948	20,144	28,808
NORTH CAROLINA	7,084	5,313	5,534	12,432	17,011	19,364	13,508	13,662
SOUTH CAROLINA	621	382	108	41	240	509	5,447	411
VIRGINIA	35,400	43,497	36,435	46,617	52,188	36,598	34,006	40,731
WEST VIRGINIA	3,453	2,488	1,621	1,585	1,355	1,342	2,618	862
EAST SOUTH CENTRAL ...	17,563	13,890	9,759	12,236	15,834	22,031	19,773	19,980

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TABLE 61B. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY OTHER NONPROFIT PERFORMERS, 1/
BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1973-80

(THOUSANDS OF DOLLARS)

- CONTINUED

DIVISION AND STATE	1973	1974	1975	1976	1977	1978	1979	1980
ALABAMA	7,696	9,300	4,508	7,492	7,609	12,223	10,663	9,064
KENTUCKY	3,364	392	1,130	677	2,268	3,675	2,166	1,131
MISSISSIPPI	2,427	375	236	274	458	279	976	1,121
TENNESSEE	4,076	3,823	3,885	3,793	5,499	5,854	5,968	8,664
WEST SOUTH CENTRAL	34,356	19,584	18,949	17,814	24,423	37,022	26,107	27,450
ARKANSAS	1,485	130	567	138	156	93	680	1,023
LOUISIANA	3,631	3,489	1,941	2,444	2,279	1,762	2,781	1,389
OKLAHOMA	6,649	2,469	3,532	1,767	3,236	3,998	3,865	4,715
TEXAS	22,591	13,496	12,909	13,465	18,752	31,169	18,781	20,323
MOUNTAIN	28,331	26,203	30,430	23,657	28,929	39,830	110,854	121,801
ARIZONA	2,775	2,519	2,352	900	1,007	1,441	858	2,152
COLORADO	7,977	12,039	9,608	7,864	13,025	22,563	8 435	95,797
IDAHO	514	481	400	483	439	528	898	476
MONTANA	4,996	580	5,467	2,748	112	210	1,543	446
NEVADA	4,048	3,486	3,968	5,764	5,390	3,678	4,787	5,428
NEW MEXICO	7,161	5,412	6,837	4,520	7,795	10,092	12,464	12,823
UTAH	847	1,097	1,631	1,364	1,161	1,310	3,443	4,193
WYOMING	13	589	169	14	-	10	426	488
PACIFIC	218,177	232,125	244,114	252,867	295,883	361,767	353,692	413,136
ALASKA	4,207	302	137	783	182	76	500	426
CALIFORNIA	180,858	195,044	194,676	193,931	204,007	250,801	259,174	298,815
HAWAII	2,686	2,037	1,460	1,220	1,735	2,517	2,300	2,817
OREGON	9,839	8,908	9,346	10,221	9,938	12,811	10,575	8,901
WASHINGTON	20,587	25,834	38,495	46,712	80,021	95,562	81,143	104,177
OUTLYING AREAS	1,408	313	139	70	480	94	1,131	20
OFFICES ABROAD	5,535	6,513	7,922	8,149	7,710	9,268	9,787	192

1/ INCLUDES FFRDC'S (FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS) ADMINISTERED BY OTHER NONPROFIT INSTITUTIONS.

NOTE: ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 62. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR TOTAL RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	1,583,076	1,856,975	1,971,919	2,154,078	2,453,345	2,771,683	3,116,995	3,463,608	3,711,143	4,021,365
LIFE SCIENCES, TOTAL	870,685	1,102,832	1,151,802	1,247,204	1,399,945	1,605,247	1,796,036	1,984,684	2,114,870	2,278,871
BIOLOGICAL & AGRICULTURAL, TOTAL	491,230	640,260	673,061	727,323	811,910	944,394	1,096,055	1,197,367	1,288,568	1,393,102
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	-	-	-	-	-	811,129	946,771	1,036,988	1,113,136	1,193,479
ENVIRONMENTAL BIOLOGY	-	-	-	-	-	28,791	39,437	39,462	40,025	43,236
AGRICULTURAL	-	-	-	-	-	104,474	109,847	120,917	135,407	156,387
MEDICAL SCIENCES, TOTAL	347,788	432,629	446,929	479,200	538,443	601,340	622,537	709,688	746,854	801,748
CLINICAL MEDICAL	217,944	249,518	253,697	276,546	305,861	-	-	-	-	-
OTHER MEDICAL	129,844	183,111	193,232	202,654	232,582	-	-	-	-	-
LIFE SCIENCES, NEC	31,667	29,943	31,812	40,681	49,592	59,513	77,444	77,629	79,448	84,021
PSYCHOLOGY, TOTAL	46,312	56,955	54,774	58,441	59,243	67,722	89,820	89,364	86,891	87,870
BIOLOGICAL ASPECTS	18,174	23,611	21,239	23,113	23,007	24,330	27,660	31,749	31,492	30,515
SOCIAL ASPECTS	19,989	22,231	21,286	21,907	20,816	25,411	30,033	33,602	26,991	29,334
PSYCHOLOGICAL SCIENCES, NEC	8,149	11,113	12,249	13,421	15,420	17,981	32,127	24,013	28,408	28,021
PHYSICAL SCIENCES, TOTAL	232,663	242,934	267,515	278,106	326,085	366,604	402,798	460,974	512,416	581,147
ASTRONOMY	30,056	30,432	28,410	28,516	34,593	37,417	40,645	45,770	50,599	54,518
CHEMISTRY	70,319	75,691	89,737	94,224	115,782	123,514	140,147	159,494	176,403	202,350
PHYSICS	120,999	130,995	143,906	149,624	167,018	198,687	214,738	246,072	273,391	313,280
PHYSICAL SCIENCES, NEC	11,289	5,816	5,462	5,742	8,692	6,986	7,268	9,638	12,023	10,999
ENVIRONMENTAL SCIENCES, TOTAL	118,116	130,607	146,057	168,642	205,163	226,541	275,498	297,035	314,291	338,032
ATMOSPHERIC SCIENCES	36,519	32,244	38,537	42,682	50,656	60,605	71,124	86,664	90,610	99,180
GEOLOGICAL SCIENCES	18,788	34,439	39,940	51,604	55,574	59,767	78,421	83,279	86,998	90,775
OCEANOGRAPHY	42,777	56,212	60,850	63,513	82,491	92,253	108,785	104,741	113,242	122,995
ENVIRONMENTAL SCIENCES, NEC	20,032	7,712	6,730	10,843	16,442	13,916	17,168	22,351	23,441	23,082

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TABLE 62. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR TOTAL RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

- CONTINUED

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	48,157	52,848	57,520	57,609	72,869	79,489	87,531	94,608	117,101	142,800
MATHEMATICS	-	-	-	30,076	38,274	39,963	41,166	49,025	57,456	71,987
COMPUTER SCIENCES	-	-	-	26,171	33,932	36,036	42,827	41,312	48,865	57,654
MATHEMATICS & COMPUTER SCIENCES, NEC	-	-	-	1,362	663	3,490	3,538	4,271	10,780	13,159
ENGINEERING, TOTAL	121,779	141,205	167,299	172,317	220,578	240,875	269,590	323,723	351,079	403,567
AERONAUTICAL	10,293	14,495	15,382	16,719	19,940	23,527	26,624	37,758	41,006	45,166
ASTRONAUTICAL	3,655	3,195	2,897	3,485	2,903	3,027	2,277	7,317	7,780	8,545
CHEMICAL	8,714	9,176	15,614	16,063	17,109	24,514	19,231	20,250	24,277	26,307
CIVIL	7,100	6,164	4,937	5,385	7,302	8,262	16,965	21,624	22,491	25,505
ELECTRICAL	25,648	27,325	27,970	35,819	51,561	53,160	53,555	77,268	83,892	100,416
MECHANICAL	17,516	14,747	14,389	16,714	21,654	22,917	26,405	32,955	37,419	45,834
METALLURGY & MATERIALS	25,627	32,320	37,866	39,864	46,941	49,167	52,320	57,327	70,253	85,105
ENGINEERING, NEC	23,226	33,783	48,244	38,268	53,168	56,301	72,213	69,226	63,961	66,689
SOCIAL SCIENCES, TOTAL	92,517	90,510	91,297	118,866	136,618	146,072	138,211	137,758	132,404	121,627
ANTHROPOLOGY	4,819	6,627	6,348	5,275	4,931	7,004	7,845	6,387	5,924	4,942
ECONOMICS	25,129	30,087	33,526	32,868	37,771	42,548	45,590	50,611	50,633	51,767
POLITICAL SCIENCE	1,690	2,392	2,448	2,120	2,787	3,610	5,150	4,292	3,557	1,903
SOCIOLOGY	23,132	18,757	12,825	17,014	18,948	21,107	24,163	27,019	23,902	21,057
SOCIAL SCIENCES, NEC	37,747	32,647	36,150	61,589	72,181	71,803	55,463	49,449	48,388	41,958
HISTORY	919	995	1,370	-	-	-	-	-	-	-
LINGUISTICS	2,740	2,827	2,250	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	34,088	28,825	32,530	-	-	-	-	-	-	-
OTHER SCIENCES, NEC	52,847	39,084	35,655	52,893	32,844	39,133	57,511	75,462	82,091	69,451

NOTE: THIS TABLE SHOWS OBLIGATIONS FROM USDA, DOD, DOE, HHS, NASA, AND NSF; THEY REPRESENT APPROXIMATELY 94 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1980, 1981, AND 1982.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 63. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR BASIC RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	N/A	1,125,103	1,229,791	1,320,736	1,535,210	1,738,104	2,051,685	2,291,264	2,498,215	2,740,001
LIFE SCIENCES, TOTAL	N/A	610,316	655,727	719,176	809,828	928,949	1,140,143	1,219,540	1,317,984	1,428,957
BIOLOGICAL & AGRICULTURAL, TOTAL	N/A	413,374	442,802	491,747	549,752	639,197	787,936	801,096	870,705	946,258
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	N/A	-	-	-	-	566,976	703,253	712,238	774,469	833,095
ENVIRONMENTAL BIOLOGY	N/A	-	-	-	-	28,481	38,842	37,001	38,254	41,214
AGRICULTURAL	N/A	-	-	-	-	43,740	45,841	51,857	57,982	71,949
MEDICAL SCIENCES, TOTAL	N/A	177,864	192,794	203,582	231,597	255,473	310,513	372,110	398,250	430,317
CLINICAL MEDICAL	N/A	7,501	11,262	8,954	12,315	-	-	-	-	-
OTHER MEDICAL	N/A	170,363	181,532	194,628	219,282	-	-	-	-	-
LIFE SCIENCES, NEC	N/A	19,078	20,131	23,847	28,479	32,279	41,694	46,334	49,029	52,382
PSYCHOLOGY, TOTAL	N/A	28,206	27,918	27,767	31,786	35,981	42,889	52,416	52,823	55,254
BIOLOGICAL ASPECTS	N/A	11,182	12,148	12,479	13,191	12,868	15,584	18,491	18,006	17,965
SOCIAL ASPECTS	N/A	11,842	10,515	9,533	11,881	14,986	17,125	18,527	17,070	19,372
PSYCHOLOGICAL SCIENCES, NEC	N/A	5,182	5,255	5,755	6,714	8,127	10,180	15,398	17,747	17,917
PHYSICAL SCIENCES, TOTAL	N/A	206,838	227,244	234,717	270,156	299,484	323,298	375,902	420,521	482,933
ASTRONOMY	N/A	29,507	26,698	26,204	31,965	35,860	38,209	41,131	45,599	49,418
CHEMISTRY	N/A	60,755	73,497	78,607	96,249	102,200	114,335	136,092	152,214	175,653
PHYSICS	N/A	114,305	123,491	126,331	137,362	157,083	166,247	194,284	217,147	252,186
PHYSICAL SCIENCES, NEC	N/A	2,271	3,558	3,575	4,580	4,341	4,507	4,395	5,561	5,676
ENVIRONMENTAL SCIENCES, TOTAL	N/A	104,482	120,194	128,205	166,004	191,790	229,887	255,297	273,826	296,136
ATMOSPHERIC SCIENCES	N/A	22,390	29,386	29,669	40,283	52,881	61,705	74,867	77,955	85,913
GEOLOGICAL SCIENCES	N/A	29,092	35,114	40,648	45,290	51,605	69,843	74,447	79,748	84,479
OCEANOGRAPHY	N/A	48,094	52,509	54,318	72,669	79,928	91,845	94,945	105,242	115,670
ENVIRONMENTAL SCIENCES, NEC	N/A	4,906	3,185	3,570	7,762	7,376	6,494	11,038	10,881	10,074

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TABLE 63. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR BASIC RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

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FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	N/A	36,559	42,197	46,344	56,623	65,303	68,969	79,799	96,678	118,297
MATHEMATICS	N/A	-	-	27,226	35,019	36,864	38,574	46,092	54,054	67,861
COMPUTER SCIENCES	N/A	-	-	18,840	21,574	27,402	29,481	31,372	37,053	43,350
MATHEMATICS & COMPUTER SCIENCES, NEC	N/A	-	-	278	30	1,037	914	2,335	5,571	5,086
ENGINEERING, TOTAL	N/A	88,321	106,710	113,896	139,291	151,506	163,976	208,416	237,913	289,146
AERONAUTICAL	N/A	9,146	9,492	10,793	12,750	16,931	19,131	22,071	25,039	28,437
ASTRONAUTICAL	N/A	2,300	2,009	2,455	1,782	2,196	705	995	1,100	1,150
CHEMICAL	N/A	6,482	10,963	10,203	9,494	9,284	12,548	16,946	19,579	22,331
CIVIL	N/A	4,937	3,665	3,665	5,992	6,422	9,625	15,068	15,501	18,739
ELECTRICAL	N/A	18,873	19,212	26,380	36,414	37,962	37,069	47,482	53,021	67,674
MECHANICAL	N/A	10,202	9,434	10,424	13,708	15,488	20,756	25,659	30,849	40,504
METALLURGY & MATERIALS	N/A	28,008	33,928	35,276	42,113	43,429	47,635	51,871	63,167	78,792
ENGINEERING, NEC	N/A	8,373	18,007	14,700	17,038	19,794	16,507	28,324	29,657	33,519
SOCIAL SCIENCES, TOTAL	N/A	41,735	40,404	44,818	52,201	55,743	56,976	63,956	60,151	49,050
ANTHROPOLOGY	N/A	3,997	3,781	3,217	3,535	5,005	5,829	5,759	5,374	4,391
ECONOMICS	N/A	16,340	15,669	15,755	19,053	20,071	21,126	22,273	21,630	19,523
POLITICAL SCIENCE	N/A	1,892	1,322	1,658	2,026	2,655	3,290	3,572	2,945	1,488
SOCIOLOGY	N/A	9,222	4,885	6,527	7,827	9,606	10,262	12,139	11,449	9,440
SOCIAL SCIENCES, NEC	N/A	11,284	14,747	17,661	19,760	19,406	16,469	20,213	18,753	14,208
HISTORY	N/A	905	937	-	-	-	-	-	-	-
LINGUISTICS	N/A	1,685	1,528	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	N/A	8,694	12,282	-	-	-	-	-	-	-
OTHER SCIENCES, NEC	N/A	8,646	9,397	5,813	9,321	11,348	25,547	35,938	38,319	22,228

NOTE: THIS TABLE SHOWS OBLIGATIONS FROM USDA, DOD, DOE, HHS, NASA, AND NSF; THEY REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1980, 1981, AND 1982.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE 64. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR APPLIED RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
TOTAL, ALL FIELDS	N/A	731,872	742,128	833,342	918,135	1,033,579	1,065,310	1,172,344	1,212,928	1,281,364
LIFE SCIENCES, TOTAL	N/A	492,516	496,075	528,028	590,117	678,298	655,893	765,144	796,886	849,914
BIOLOGICAL & AGRICULTURAL, TOTAL	N/A	226,886	230,259	235,576	262,158	305,197	308,119	398,271	417,863	446,844
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	N/A	-	-	-	-	244,153	243,518	324,750	338,667	360,384
ENVIRONMENTAL BIOLOGY	N/A	-	-	-	-	310	595	2,461	1,771	2,022
AGRICULTURAL	N/A	-	-	-	-	60,734	64,006	69,060	77,425	84,438
MEDICAL SCIENCES, TOTAL	N/A	254,765	254,135	275,618	306,846	345,867	312,024	337,578	348,604	371,431
CLINICAL MEDICAL	N/A	242,017	242,435	267,592	293,546	-	-	-	-	-
OTHER MEDICAL	N/A	12,748	11,700	8,026	13,300	-	-	-	-	-
LIFE SCIENCES, NEC	N/A	10,865	11,681	16,834	21,113	27,234	35,750	31,295	30,419	31,639
PSYCHOLOGY, TOTAL	N/A	28,749	26,856	30,674	27,457	31,741	46,931	36,948	34,068	32,818
BIOLOGICAL ASPECTS	N/A	12,429	9,091	10,634	9,816	11,462	12,076	13,258	13,486	12,550
SOCIAL ASPECTS	N/A	10,389	10,771	12,374	8,935	10,425	12,908	15,075	9,921	9,962
PSYCHOLOGICAL SCIENCES, NEC	N/A	5,931	6,994	7,666	8,706	9,854	21,947	8,615	10,661	10,104
PHYSICAL SCIENCES, TOTAL	N/A	36,096	40,271	43,389	55,929	67,120	79,500	85,072	91,895	98,214
ASTRONOMY	N/A	925	1,712	2,312	2,628	1,557	2,436	4,639	5,000	5,100
CHEMISTRY	N/A	14,936	16,240	15,617	19,533	21,314	25,812	23,402	24,189	26,697
PHYSICS	N/A	16,690	20,415	23,293	29,656	41,604	48,491	51,788	56,244	61,094
PHYSICAL SCIENCES, NEC	N/A	3,545	1,904	2,167	4,112	2,645	2,761	5,243	6,462	5,323
ENVIRONMENTAL SCIENCES, TOTAL	N/A	26,125	25,863	40,437	39,159	34,751	45,611	41,738	40,465	39,898
ATMOSPHERIC SCIENCES	N/A	9,854	9,151	13,013	10,373	7,724	9,419	11,797	12,655	13,267
GEOLOGICAL SCIENCES	N/A	5,347	4,826	10,956	10,284	8,162	8,578	8,832	7,250	6,296
OCEANOGRAPHY	N/A	8,118	8,341	9,195	9,822	12,325	16,940	9,796	8,000	7,325
ENVIRONMENTAL SCIENCES, NEC	N/A	2,806	3,545	7,273	8,680	6,540	10,674	11,313	12,560	13,008

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TABLE 64. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES FOR APPLIED RESEARCH BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1973-82

(THOUSANDS OF DOLLARS)

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FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	ESTIMATES 1981	ESTIMATES 1982
MATHEMATICS & COMPUTER SCIENCES, TOTAL	N/A	16,289	15,323	11,265	16,246	14,186	18,562	14,809	20,423	28,503
MATHEMATICS	N/A	-	-	2,850	3,255	3,099	2,592	2,933	3,402	4,126
COMPUTER SCIENCES	N/A	-	-	7,331	12,358	8,634	13,346	9,940	11,812	14,304
MATHEMATICS & COMPUTER SCIENCES, NEC	N/A	-	-	1,084	633	2,453	2,624	1,936	5,209	8,073
ENGINEERING, TOTAL	N/A	52,884	60,589	58,421	81,287	89,369	105,614	115,307	113,166	114,421
AERONAUTICAL	N/A	5,349	5,890	5,926	7,190	6,596	7,493	15,687	15,967	16,729
ASTRONAUTICAL	N/A	895	888	1,030	1,121	831	1,572	6,322	6,680	7,395
CHEMICAL	N/A	2,694	4,651	5,860	7,615	15,230	6,683	3,304	4,698	3,976
CIVIL	N/A	1,227	1,272	1,720	1,310	1,840	7,340	6,556	6,990	6,766
ELECTRICAL	N/A	8,452	8,758	9,439	15,147	15,198	16,486	29,784	30,871	32,742
MECHANICAL	N/A	4,545	4,955	6,290	7,946	7,429	5,649	7,296	6,570	5,330
METALLURGY & MATERIALS	N/A	4,312	3,938	4,588	4,828	5,738	4,685	5,456	7,086	8,313
ENGINEERING, NEC	N/A	25,410	30,237	23,568	36,130	36,507	55,706	40,902	34,304	33,170
SOCIAL SCIENCES, TOTAL	N/A	48,775	50,893	74,048	84,417	90,329	81,235	73,802	72,253	72,577
ANTHROPOLOGY	N/A	2,630	2,567	2,058	1,396	1,999	2,016	628	550	551
ECONOMICS	N/A	13,747	17,857	17,113	18,718	22,477	24,484	28,338	29,003	32,244
POLITICAL SCIENCE	N/A	500	1,126	462	761	955	1,860	720	612	415
SOCIOLOGY	N/A	10,535	7,940	10,487	11,121	12,501	13,901	14,880	12,453	11,617
SOCIAL SCIENCES, NEC	N/A	21,363	21,403	43,928	52,421	52,397	38,994	29,236	29,635	27,750
HISTORY	N/A	90	433	-	-	-	-	-	-	-
LINGUISTICS	N/A	1,142	722	-	-	-	-	-	-	-
OTHER SOCIAL SCIENCES	N/A	20,131	20,248	-	-	-	-	-	-	-
OTHER SCIENCES, NEC	N/A	30,438	26,258	47,080	23,523	27,785	31,984	39,524	43,772	47,223

NOTE: THIS TABLE SHOWS OBLIGATIONS FROM USDA, DOD, DOE, HHS, NASA, AND NSF; THEY REPRESENT APPROXIMATELY 85 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1980, 1981, AND 1982.

SOURCE: NATIONAL SCIENCE FOUNDATION